

20010801.qrp v02_n268.qrl.20010801

Date: Wed, 1 Aug 2001 19:03:05 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 2268

QRP-L Digest 2268

Topics covered in this issue include:

- 1) [103884] Re: level of xmitted RF from dummy load?
by "Chuck Carpenter" <w5usj@globeco.net>
- 2) [103885] Inverted-L Numbers
by ARDUJENSKI@aol.com
- 3) [103886] IMPORTANT UPDATE: Re: Cub FOX Reminder
by "Rod Cerkoney, N0RC" <rod@n0rc.com>
- 4) [103887] Fox Hunt #12 - AL7FS : And a surprise at the end. (long)
by Jim Larsen AL7FS <AL7FS@pobox.alaska.net>
- 5) [103888] Re: QRP Miracle Whip
by Bill Stietenroth <k5zty@juno.com>
- 6) [103889] Re: Need help on connector type for multi board project
by "Craig Johnson" <cbjohns@mn.mediaone.net>
- 7) [103890] Re: [103831] The EPS-1 DC-DC Converter Kit
by Doug Faunt N6TQS +1-510-655-8604 <faunt@panix.com>
- 8) [103891] N0RC FOX WX UPDATE!
by "Rod Cerkoney, N0RC" <rod@n0rc.com>
- 9) [103892] Fox- K4FB Round Two Thursday Night
by pwomble1@tampabay.rr.com
- 10) [103893] SW-40
by Craig LaBarge <wb3gck@yahoo.com>
- 11) [103894] Re: N0RC FOX WX UPDATE!
by "Rod Cerkoney, N0RC" <rod@n0rc.com>
- 12) [103895] Re: SW-40
by "Mike Malone" <mmalone@worldlogon.com>
- 13) [103896] Vectronics ant analyzer power switch
by "Dave Benham" <dodgeboy@mindspring.com>
- 14) [103897] SW-40: best bang for the buck
by "ss lyon" <sslyon@megalink.net>
- 15) [103898] Cub Fox Rod sounds lonely
by Ed Lawson <elawson@lawson-philpot.com>
- 16) [103899] FOX Looking for Rod
by "Karl F. Larsen" <k5di@zianet.com>
- 17) [103900] FOX: CUB FOXES ARE LOUD!
by "Tom" <n1tp@worldnet.att.net>
- 18) [103901] FOX WX
by "Karl F. Larsen" <k5di@zianet.com>
- 19) [103902] OT: I.O.T.A. ...WHATS INVOLVED ????

- by "George Osier" <gosier@twcny.rr.com>
- 20) [103903] Re: FOX Looking for Rod
by "George, W5YR" <w5yr@att.net>
- 21) [103904] FOX Rod
by N10DL@aol.com
- 22) [103905] Re: FOX Looking for Rod
by Pete Burbank <plburbank@kih.net>
- 23) [103906] One last look...a more conventional PSK-80 CW rig, no S/W req'd
by "Bill, N4QA" <n4qa@hotmail.com>
- 24) [103907] Fox - Got 'em Both, but Tough Going...
by Todd Enders <enders@bolshoi.cc.misu.nodak.edu>
- 25) [103908] Cub FOXes spotted
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 26) [103909] FOX -- Band Shifting Gears...
by Todd Enders <enders@bolshoi.cc.misu.nodak.edu>
- 27) [103910] RE: SSS Kits
by "Bob Hightower" <nk7m@extremezone.com>
- 28) [103911] 9A4A/EU170 on 14.012 @ 0402Z
by David Gauding <david.gauding@bbs.galilei.com>
- 29) [103912] XE2 QRPedition report
by Richard Clem <clem.law@usa.net>
- 30) [103913] Re: Vectronics ant analyzer power switch
by Bill Stietenroth <k5zty@juno.com>
- 31) [103914] FOx NØRC PreLIM
by "Rod Cerkoney, NØRC" <rod@n0rc.com>
- 32) [103915] 40m hot tonight!
by "N7SG K7FD" <k7fd@hotmail.com>
- 33) [103916] Re: 38 Special BC breakthrough
by "C Andersson" <sm6pxj@swipnet.se>
- 34) [103917] Re: SW-40
by Bruce Muscolino <w6toy@erols.com>
- 35) [103918] Miracle Whip
by MITCHELLRI@aol.com
- 36) [103919] FW: Miracle Whip
by "Ray Goff" <radioham@gmx.co.uk>
- 37) [103920] Thanks
by Norman Young <norman_y@yahoo.com>
- 38) [103921] FS:Varactors BB204B(sub for MV104), gel cells
by "Craig A. Ferris" <cferris@aeronix.com>
- 39) [103922] Vertical questions
by Drbob92031@aol.com
- 40) [103923] Re: Ham Radio mag on CDs
by Thomas Kuehl <ac7a@gci-net.com>
- 41) [103924] Re: Vertical questions
by "Larry Spinner" <n2icz@hotmail.com>
- 42) [103925] NEQRP meeting, SATURDAY at ARRL HQ
by Chuck Ludinsky <cjl@mitre.org>
- 43) [103926] FOX: 1 for 2 in VT

- by John Wagner <john@neknetwork.com>
- 44) [103927] Re: Ham Radio mag on CDs
by "Chris Trask" <ctrask@qwest.net>
- 45) [103928] Re: Oscillators
by "Lau, Zack, W1VT" <zlau@arrl.org>
- 46) [103929] Re: Vertical questions
by Mike Pupeza <mpupeza@sympatico.ca>
- 47) [103930] FW: Yo-Yo-Tenna/dipole
by "Ronald C. McConnell" <rcmcc@earthlink.net>
- 48) [103931] Ribbon Dipole
by ARDUJENSKI@aol.com
- 49) [103932] Digital mw meter?
by ARDUJENSKI@aol.com
- 50) [103933] Soldering: selecting optimum temperature
by Jim Glover <psykey@okcforum.org>
- 51) [103934] Re: Digital mw meter?
by "George, W5YR" <w5yr@att.net>
- 52) [103935] Re: Soldering: selecting optimum temperature
by "George, W5YR" <w5yr@att.net>
- 53) [103936] Re: Soldering: selecting optimum temperature
by lhlousek <lhlousek@nvhbell.net>
- 54) [103937] Re: Ham Radio mag on CDs
by Luke Stras <stras@ecf.toronto.edu>
- 55) [103938] Re: Soldering: selecting optimum temperature
by "Mike Yetsko" <myetsko@insydesw.com>
- 56) [103939] Vertical questions
by wb4mnf@atl.org
- 57) [103940] RE: Vertical questions
by "AI2Q Alex" <ai2q@adelphia.net>
- 58) [103941] Re: Soldering: selecting optimum temperature
by "Leon Heller" <leon_heller@hotmail.com>
- 59) [103942] Wanted:non-working qrp rigs
by "Craig A. Ferris" <cferris@aeronix.com>
- 60) [103943] Re: Vectronics ant analyzer power switch
by "Aartec" <aartec@dwx.com>
- 61) [103944] Need to find a coil...
by "Mike Morrell" <morrellm@ameritech.net>
- 62) [103945] Re: Vertical questions
by "ss lyon" <sslyon@megalink.net>
- 63) [103946] Re: Vertical questions
by David Heintzleman <pstrdave@kdsi.net>
- 64) [103947] Re: Miracle Whip
by Bruce Muscolino <w6toy@erols.com>
- 65) [103948] Re: Ham Radio mag on CDs
by "Chris Trask" <ctrask@qwest.net>
- 66) [103949] Re: level of xmitted RF from dummy load?
by "Lau, Zack, W1VT" <zlau@arrl.org>
- 67) [103950] Re: OT: I.O.T.A. ...WHATS INVOLVED ????

by Bob Nielsen <nielsen@oz.net>
68) [103951] Sample IEEE Journal of Solid-State Circuits table of contents
by Greg Lawrence <gwl1@cornell.edu>
69) [103952] Backpackin qrp
by "T.W." <wb5qyt@abq.com>
70) [103953] Re: Virus
by "C L Barnett" <kb4cuq@worldnet.att.net>
71) [103954] ARRL and the Conjugate Match (was RE: QRP Miracle Whip)
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
72) [103955] Re: Miracle Whip
by "Larry Spinner" <n2icz@hotmail.com>
73) [103956] KeyLite users Survey
by "Gary Oneil" <n3go@us.ibm.com>
74) [103957] RE: Ham Radio magazine on CDs, PRC10 boxes
by "Bob Tellefsen" <n6wg@earthlink.net>
75) [103958] Re: Vectronics ant analyzer power switch
by "Bob Tellefsen" <n6wg@earthlink.net>
76) [103959] Re: Vertical questions
by "Bob Tellefsen" <n6wg@earthlink.net>
77) [103960] FS: QRP+
by Bill Lazure <n2tpa@juno.com>
78) [103961] FOX: CUB FOX HUNT - NØIT PRELIMINARY LOG
by Dave Sjolin <sjolin@swbell.net>
79) [103962] Miracle Whip update
by MITCHELLRI@aol.com
80) [103963] Re: Miracle Whip
by Bruce Muscolino <w6toy@erols.com>
81) [103964] Re: Vertical questions
by "Phil (VA3UX)" <phil@vaxxine.com>
82) [103965] FW: Miracle Whip
by "Ray Goff" <radioham@gmx.co.uk>
83) [103966] Shrinking list of things for sale
by "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>
84) [103967] Re: Miracle Whip update
by Bruce Muscolino <w6toy@erols.com>
85) [103968] Re: Vectronics ant analyzer power switch
by "Larry Przyborowski" <k3peg@yahoo.com>
86) [103969] Fw: [qrpat] QRP DXCC
by "Kenneth Evans" <w4du@mediaone.net>
87) [103970] Re: Backpackin qrp
by Phil Wheeler <w7ox@earthlink.net>
88) [103971] Re: Fw: [qrpat] QRP DXCC
by Joe Reed <joe@n9jr.dyndns.org>

Date: Tue, 31 Jul 2001 18:36:46 -0500
From: "Chuck Carpenter" <w5usj@globeco.net>

To: ham@w3eax.umd.edu, qrp-1@Lehigh.EDU
Subject: [103884] Re: level of xmitted RF from dummy load?
Message-ID: <3.0.2.32.20010731183646.0089c910@mail.globeco.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Scott,

The DL in my MFJ 969 antenna coupler is not well shielded. I haven't tried to measure field strength in transmit. I can hear signals in the DL position quite well. I'd expect that it would transmit a fair QRPP signal if I tried it though. I'll have to use it in beacon mode some evening and see who can copy the MFJ DL... 8^)...

I have a 150 W Welz dummy load that is very well shielded. I can't hear any signals with it using RG-8X with PL-259 type connectors. I tried transmitting with it some time ago when there was a DL night attempted by some of the QRP-Lers. NADA...

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
ARCI #5422, QRP-L #1306, SOC #57, Six Club #201, SMIRK #6275
Zombie #759, RARA #3, Visit NETXQRP Web Site: <http://www.netxqrp.org>

Date: Tue, 31 Jul 2001 19:45:01 EDT
From: ARDUJENSKI@aol.com
To: qrp-1@lehigh.edu
Subject: [103885] Inverted-L Numbers
Message-ID: <8b.a20d882.28989cfd@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Here are the numbers optimizing an inverted-L using a DK9SQ mast: or similar set up:

H: 10.6m
L: 10.6m

Radials: 12-5m (radials play minimal role it appears)

7040	0.5wl	90 percent efficient	2840/148 (R and Xj)
10100		97	226/-123
14040	1.0wl	92	1270/80
18100	1.3wl	88	256/67
21060	1.5wl	92	1098/137

It appears that this arrangement is fairly efficient and a balanced line feed would work best rather than trying any match/balun. I hope to get some results this weekend in actual use. The real proof is in the pudding.

Used ENDFEED from

<http://www.btinternet.com/~g4fgq.regp/page3.html#S301>"

Hope you find this of interest in that most homebrew verticals are about 1/2 as efficient.

Alan KB7MBI

Date: Tue, 31 Jul 2001 17:55:00 -0600
From: "Rod Cerkoney, N0RC" <rod@n0rc.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [103886] IMPORTANT UPDATE: Re: Cub FOX Reminder
Message-ID: <027901c11a1c\$36635310\$6401a8c0@c919125b>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Storms moving into area, no threat yet. Will update via QRP-L at 60 & 30min before hunt.

73, Rod N0RC
Ft Collins, CO

----- Original Message -----

From: "Rod Cerkoney, N0RC" <rod@n0rc.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Tuesday, July 31, 2001 11:07 AM
Subject: FOX: Cub FOX Reminder

> OK Hound Dogs!
>
> Catch us if you can.
>
> TIME: 0200z - 0400z, 01-August-2001
> 2100 - 2300 CDT, 31-July-2001
> 2000 - 2200 MDT, 31-July-2001
>
>
> I'll be somewhere between 14050 and 14056, I will be listening UP
> ~1kHz. I'm not saying anymore; an attempt to make things more

> challenging/interesting. I will not be answering calls on my TX
Freq.
> until the pack thins out. Dave has announced he will be near 14062,
> full details for Dave and myself are in earlier postings:
>
> <http://listserv.lehigh.edu/lists/Archives/qrp-l/0193.html>
>
> <http://listserv.lehigh.edu/lists/Archives/qrp-l/0241.html>
>
> Last time out I did 30-35 QSOs, my goal this evening is 50. Hope you
> turn out to help me make it.
>
> I'm also looking for those last four states to complete QRP WAS. I'm
> not saying what those states are, I want to do it the old fashion
> way-by the luck of the draw.
>
>
> 73, Rod NØRC
> Ft Collins, CO
>

Date: Tue, 31 Jul 2001 15:58:15 -0800
From: Jim Larsen AL7FS <AL7FS@pobox.alaska.net>
To: "qrp-l@lehigh.edu" <qrp-l@lehigh.edu>
Cc: k4fb@arrl.net
Subject: [103887] Fox Hunt #12 - AL7FS : And a surprise at the end. (long)
Message-ID: <3B674617.A9B05A51@pobox.alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Greetings from Alaska,

It is nearing time for my second try at FOX. (Be sure to read to the
end to learn of the surprise.)

Check <http://www.cqc.org/sfox/> for rules. Time is 0200-0400Z on August
3. This makes it Thursday evening in the USA.

This time I am planning on trying 14.050-14.056. Lately I have had bad
TV interference that wanders all over .059 - .063. Dumb TVs. :-(

Here is the info...again shamefully copied from the Cub Fox posts to
QRP-L.

I'll be calling CQ FOX de AL7FS, and operating at 15-18 WPM. Please don't call on my TX frequency as a courtesy to others. If you don't have ANY rig with RIT, then just call where you have to but expect that I won't answer until the last 1/2 hour of the two hour period. I'll be listening +/- 1 kHz or so from my TX FREQ. Maybe a bit more.

Added notes: I will try to NOT work anyone closer than +/- 500 Hz from my TX frequency until maybe the last 1/2 hour. I changed the settings on my TS450S so now I can go up to +/- 2.2 KHz with the RIT. Last month I was limited at 1.1 KHz and I could tell there were some outside that limit. Please recognize that you hear the other Hounds at S7 to S9+ and as such they can be heard all up and down the band. It may sound like I am answering a station closer than 500 Hertz but in most, if not all, cases this is not true. The signals are very weak (usually) to me up here and they do not "fill the spectrum" like they do for you. I cannot hear stations very far off their TX frequency.

Station: Kenwood TS450S, OHR WM-2 QRP wattmeter, Radio Shack DSP (may try OHR SCAF instead), with KLM KT34A at 42 feet.

The exchange will be:

ME to YOU:

<YOUR CALL> DE AL7FS 559 AK Jim 5W <YOUR CALL> BK

YOU to ME:

AL7FS DE <YOUR CALL> <RST> <SPC> <NAME> <YOUR PWR> BK

I'll then QSL(or RR) or ask for fills. If I need a fill I'll send:

RST? BK

SPC? BK

NAME? BK

-or- PSE RPT?? (Reserved for when I miss it all)

Listen carefully. When I send TU or TNX or maybe even de AL7FS SK, we're done. I'll be looking for the next QSO or if necessary I'll look for the next QSO by sending something like: QRZ FOX? DE AL7FS

And now the surprise. I will conduct a random drawing from the Hounds that I work during this session and three lucky hounds will receive Alaska Wild Berry Products Chocolates compliments of AL7FS.

Check out the prizes at:

<http://www.qsl.net/al7fs/P7310001AlaskaWildBerry.JPG>

<http://www.qsl.net/al7fs/P7310002AlaskaWildBerry.JPG>

See you Thursday night.

73, Jim

--

Jim Larsen, AL7FS, Anchorage, Alaska
(BP51cc) - 61.101 North, 149.824 West
mailto:al7fs@arrl.net - <http://www.qsl.net/al7fs/>

Date: Tue, 31 Jul 2001 18:49:53 -0500
From: Bill Stietenroth <k5zty@juno.com>
To: radioham@gmx.co.uk
Cc: qrp-1@Lehigh.EDU
Subject: [103888] Re: QRP Miracle Whip
Message-ID: <20010731.185109.-3893115.0.k5zty@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Good for you Ray. I never did understand why the ARRL published that article anyway. They are the ones who decided that Walter Maxwell was so far afield with his book Reflections that they quit publishing the book and expunged all references to his work from all of their handbooks. Then they publish the Miracle Whip article. It really makes me wonder what their technical advisory committee smokes between decisions.

Bill, K5ZTY
Houston, TX

On Tue, 31 Jul 2001 21:26:33 +0100 "Ray Goff" <radioham@gmx.co.uk> writes:
> I looked at the design and did some tests, which I shared with the
> FT817
> group on Yahoo. Basically, I couldn't get the SWR anywhere
> reasonable for
> most bands. I certainly decided not to put the extra effort into
> building
> the final unit.
>
> 72' de Ray g4fon
>
>

Date: Tue, 31 Jul 2001 19:32:20 -0500
From: "Craig Johnson" <cbjohns@mn.mediaone.net>
To: <qrp-1@Lehigh.EDU>
Subject: [103889] Re: Need help on connector type for multi board project
Message-ID: <006701c11a21\$6cd44c60\$6501a8c0@CBJP2>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: "Steven Weber" <kd1jv@moose.ncia.net>

> Wow, talk about distributed processing! I just finished building a
> four band rig with a 9850 VFO and used a single 89C51 to run the
> whole show, including built in keyer. Having 32 I/O pins is handy :-)
>

Yes, handy but still not enough! More explanation below.

Thanks for all the good suggestions regarding connectors. Many good, helpful thoughts. I guess we will try the Molex connectors next, so we can pass the required current to the AD9854 board. That is, if we can find a Molex crimper without spending \$250 (Digikey!)

A number of you have asked for more details about what we are doing in this project. Here is a brief explanation.

First of all, we have three boards because we are designing them as modules, and it is easier to redesign/rebuild one at a time rather than scrapping the whole project each time we want to make a change. In particular we want to have the AD9854 board reusable! Those guys are expensive and are a pain to solder on to the board since they are so tiny. We have one mounted now, along with the required pull-ups and the filter on a board. We will interface to this board with a connector of some type to bring in 6 data lines plus 3.3v and ground.

Now regarding the other two boards. Board 1 has two PICs on it. First, we have a 16F84, whose sole purpose is to handle the optical encoder. (We may add a keyer to this one later.) Hey, they are cheap! \$5. We can afford this! Actually, it is no longer a 16F84, because we have just switched to the new 16F628 which is pin-for-pin compatible but doesn't need an outboard crystal for good, stable, 4 MHz operation. Anyway, this PIC gets input from the encoder, and

when the "tuning knob" changes occur it generates an interrupt to the 16F877 on the same board. At the time of the interrupt it has 4 signal lines set up (3 magnitude bits and one direction bit) to tell the "central" 16F877 how much of an increment or decrement to make.

The "central" 16F877 is the main workhorse. It interfaces to the LCD and to the AD9854. When it receives an interrupt from the 16F84 it performs a calculation and sends an updated frequency to the LCD and the AD9854. It will communicate with the other 16F877 via some communications protocol; we will probably use the on-board USART. Still working on this piece of code.

Couldn't we have handled the encoder with the "central" 16F877 ? Sure, that is how we handled it in the original design, but the code got messy, and the main loop got so long we were afraid the tuning updates would start to slip. This method is nice and clean, and with proper acceleration we have a good control of the tuning. Very small increments, or large. (We may use a switch for even "faster" tuning when the operator wants to do this.) We can send a lot of interrupts per second, so tuning is very smooth. This part is working very well.

The other 16F877 is to handle all the switches and LED indicators. Yes, we could have done it all with only a couple of switches and knobs, but I personally don't like operating a "high end" radio like that. When someone sends QKS? to me ("How many knobs and switches does your radio have?"), I want to be able to answer 32, or whatever. Seriously, I want to be able to change from VFO-A to VFO-B with a single dedicated pushbutton, and to make the frequency of VFO-A the same as VFO-B with another pushbutton, etc. Then I want an indicator LED to tell me which VFO is active for transmitting, and whether split operation is in effect, etc. We will also have a keypad connected to this 16F877. This 16F877 will communicate with the "main" 16F877 for changes in the modes, frequency, etc.

That's about it for now. Yes, we will be publishing the plans and the code someday. Hopefully soon. Our whole purpose is to make an interesting 'building block' for others to use and modify. We are attempting to document the routines in the code so that they can be easily borrowed for other interesting projects.

By the way, our original project was a takeoff from the AD9850 VFO project by Curt Preuss, WB2V, which was described in a July 1997 QEX article. We have fixed/modified/documented that code quite extensively and have posted it on the New Jersey QRP Club site. See the SigGen3a code at: <http://www.njqrp.org/ham-pic/projects.htm>

72,

-Craig, AA0ZZ (and Bruce, AA0ED)

Date: Tue, 31 Jul 2001 20:36:58 -0400 (EDT)
From: Doug Faunt N6TQS +1-510-655-8604 <faunt@panix.com>
To: ARDUJENSKI@aol.com
Cc: qrp-1@lehigh.edu
Subject: [103890] Re: [103831] The EPS-1 DC-DC Converter Kit
Message-ID: <200108010036.UAA04928@panix6.panix.com>

Look at <http://n4uautoo.home.sprynet.com/> under kits, for voltage booster.

It was the subject of an article in QST for July 1997.

I think it'll do what you want, or close.
73, doug

Date: Tue, 31 Jul 2001 10:43:48 EDT
From: ARDUJENSKI@aol.com

After a recent referral to the EPS-1 I looked up the specs and noted it is limited to 0.5 amps which is not going to make it on some of the more common newer QRP rigs. Does anyone have plans for a 12v dc-dc converter with capability of 1.5 A or more?? Thanks--Alan KB7MBI

Date: Tue, 31 Jul 2001 19:00:38 -0600
From: "Rod Cercone, N0RC" <rod@n0rc.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [103891] N0RC FOX WX UPDATE!
Message-ID: <02b601c11a25\$6147c490\$6401a8c0@c919125b>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Plan on a go for now, more in 30min.

73, Rod N0RC
Ft Collins, CO

Radar to west:

<http://www.crh.noaa.gov/radar/loop/DS.p19r0/si.kftg.shtml>

Looks clear.

T'storm moved out (had double rainbow!), Still PCDLY. Here is the latest WX RPT & Space WX Report:

LARIMER COUNTY BELOW 6000 FEET/NORTHWEST WELD COUNTY-BOULDER AND

....

NATIONAL WEATHER SERVICE DENVER CO

602 PM MDT TUE JUL 31 2001

NOW... SCATTERED SHOWERS AND THUNDERSTORMS WILL SPREAD OVER THE URBAN CORRIDOR DURING THE EARLY EVENING HOURS. THE STRONGEST STORMS WILL MOVE ACROSS THE SOUTHEASTERN DENVER METRO AREA. WATCH OUT FOR DEADLY CLOUD TO GROUND LIGHTNING...RAINFALL UP TO AN INCH AN HOUR...HAIL AND WIND GUSTS TO 50 MPH

----- Original Message -----

From: "Anonymous FTP user" <ftp@sec.noaa.gov>

To: <www-list-send@dawn.sec.noaa.gov>

Sent: Tuesday, July 31, 2001 6:07 PM

Subject: WWV-Message

> :Issued: 2001 Aug 01 0007 UTC
> # Prepared by the U.S. Dept. of Commerce, NOAA, Space Environment Center.
> #
> # Geophysical Alert Message
> #
> Solar-terrestrial indices for 31 July follow.
> Solar flux 117 and Boulder A-index 18.
> The Boulder K-index at 0000 UTC on 1 August was 3 (28 nT).
>
> Solar-terrestrial conditions for the last 24 hours follow.
> Solar activity was low.
> The geomagnetic field was quiet to active.
>
> The forecast for the next 24 hours follows.
> Solar activity will be low.
> The geomagnetic field will be quiet to active.

Date: Tue, 31 Jul 2001 21:04:04 US/Eastern
From: pwomble1@tampabay.rr.com
To: qrp-l@lehigh.edu
Subject: [103892] Fox- K4FB Round Two Thursday Night
Message-ID: <200108010104.f71144Y25682@smtp-server3.tampabay.rr.com>

I'll be transmitting around 14.061 to 14.062, listening up 1-2. Please don't call on my transmit frequency...I won't hear you there! Will move in closer to my freq closer to the end of the hunt.

The last 30-45 minutes the pack usually thins out...so please don't give up until the hunt is over.

Standard exchange:

W8PIG 559 FL Paul 5W W8PIG BK

Please only send your exchange once...I'll ask for fills as needed.

Will be running K2 #568 @ 5 watts to a Force-12 C3 tribander up @ 75'.

Hope to see you in the log!

73
Paul
K4FB/fox

Date: Tue, 31 Jul 2001 18:31:28 -0700 (PDT)
From: Craig LaBarge <wb3gck@yahoo.com>
To: dave@smallwonderlabs.com
Cc: qrp-l-mailing-list <qrp-l@lehigh.edu>
Subject: [103893] SW-40
Message-ID: <20010801013128.42426.qmail@web11104.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Dave:

Since acquiring one of the early SW-40 rigs (circa 1994), I have quite often received comments about how great the tone sounds and how stable the vfo is. This

past weekend I had the little SW-40 with me on a camping trip. Well, after receiving 3 unsolicited comments in one day about how clean the keying sounds, I figured it's about time I passed that feedback along to you.

Six and a half years after building it, this little rig is still my favorite and has quite a few miles on it. In fact, this rig has the distinction of being the rig that netted me first place in the first-ever running of NorCal's QRP to the Field back in 1995.

So, please accept my belated congratulations on this neat little rig. Best damn 40 bucks I ever spent!

73, Craig WB3GCK

P.S. To the QRP-Lers: I have no financial interest in this; just (obviously) a very satisfied customer.

Do You Yahoo!?

Make international calls for as low as \$.04/minute with Yahoo! Messenger
<http://phonecard.yahoo.com/>

Date: Tue, 31 Jul 2001 19:37:33 -0600
From: "Rod Cerkoney, N0RC" <rod@n0rc.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [103894] Re: N0RC FOX WX UPDATE!
Message-ID: <02c801c11a2a\$89d7bb90\$6401a8c0@c919125b>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

WX looking OK. Dark clouds to south. movement not detected.

Go for FOX

73, Rod N0RC
Ft Collins, CO

----- Original Message -----

From: "Rod Cerkoney, N0RC" <rod@n0rc.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Tuesday, July 31, 2001 7:00 PM
Subject: NØRC FOX WX UPDATE!

> Plan on a go for now, more in 30min.
>
> 73, Rod NØRC
> Ft Collins, CO
>
> Radar to west:
>
> <http://www.crh.noaa.gov/radar/loop/DS.p19r0/si.kftg.shtml>
>
> Looks clear.
>
> T'storm moved out (had double rainbow!), Still PCDLY. Here is the
> latest WX RPT & Space WX Report:
>
>
> LARIMER COUNTY BELOW 6000 FEET/NORTHWEST WELD COUNTY-BOULDER AND
>
> NATIONAL WEATHER SERVICE DENVER CO
> 602 PM MDT TUE JUL 31 2001
>
> NOW... SCATTERED SHOWERS AND THUNDERSTORMS WILL SPREAD OVER THE
> URBAN CORRIDOR DURING THE EARLY EVENING HOURS. THE STRONGEST STORMS
> WILL MOVE ACROSS THE SOUTHEASTERN DENVER METRO AREA. WATCH OUT FOR
> DEADLY CLOUD TO GROUND LIGHTNING...RAINFALL UP TO AN INCH AN
> HOUR...HAIL AND WIND GUSTS TO 50 MPH
>
>
> ----- Original Message -----
> From: "Anonymous FTP user" <ftp@sec.noaa.gov>
> To: <www-list-send@dawn.sec.noaa.gov>
> Sent: Tuesday, July 31, 2001 6:07 PM
> Subject: WWV-Message
>
>
> > :Issued: 2001 Aug 01 0007 UTC
> > # Prepared by the U.S. Dept. of Commerce, NOAA, Space Environment
> Center.
> > #
> > # Geophysical Alert Message
> > #
> > Solar-terrestrial indices for 31 July follow.
> > Solar flux 117 and Boulder A-index 18.
> > The Boulder K-index at 0000 UTC on 1 August was 3 (28 nT).

> >
> > Solar-terrestrial conditions for the last 24 hours follow.
> > Solar activity was low.
> > The geomagnetic field was quiet to active.
> >
> > The forecast for the next 24 hours follows.
> > Solar activity will be low.
> > The geomagnetic field will be quiet to active.
>
>

Date: Tue, 31 Jul 2001 20:52:09 -0500
From: "Mike Malone" <mmalone@worldlogon.com>
To: <wb3gck@yahoo.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [103895] Re: SW-40
Message-ID: <009001c11a2c\$950e2560\$37f5a7cc@malonefamily>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I know what you mean Craig, I have a SW30 that just never ceases to amaze me. I get new toys but I still plug that thing in and take it on trips and it just gets better.

-----Original Message-----

From: Craig LaBarge <wb3gck@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Tuesday, July 31, 2001 8:34 PM
Subject: SW-40

>Dave:

>
>Since acquiring one of the early SW-40 rigs (circa
>1994), I have quite often received comments about how
>great the tone sounds and how stable the vfo is. This
>past weekend I had the little SW-40 with me on a
>camping trip. Well, after receiving 3 unsolicited
>comments in one day about how clean the keying sounds,
>I figured it's about time I passed that feedback along
>to you.

>
>Six and a half years after building it, this little
>rig is still my favorite and has quite a few miles on
>it. In fact, this rig has the distinction of being

>the rig that netted me first place in the first-ever
>running of NorCal's QRP to the Field back in 1995.
>
>So, please accept my belated congratulations on this
>neat little rig. Best damn 40 bucks I ever spent!
>
>73, Craig WB3GCK
>
>P.S. To the QRP-Lers: I have no financial interest
>in this; just (obviously) a very satisfied customer.
>
>
>
>-----
>Do You Yahoo!?
>Make international calls for as low as \$.04/minute with Yahoo! Messenger
><http://phonecard.yahoo.com/>

Date: Tue, 31 Jul 2001 21:45:14 -0400
From: "Dave Benham" <dodgeboy@mindspring.com>
To: <qrp-l@Lehigh.EDU>
Subject: [103896] Vectronics ant analyzer power switch
Message-ID: <01f101c11a2b\$9d475c20\$e8d379a5@hqa.chrysler.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I bought one of the Vectronics antenna analyzers that was talked about here a few months back and I have a small issue with it and am wondering what sort of solutions people may have come up with.

I keep my unit in an old Motorola bag phone bag, along with some short coax pieces and adapters. It's a nice fit, but the power button on the analyzer gets pushed accidentally sometimes when this bag is knocking around a larger bag or box during my travels. When I need the unit and pull it out of the bag, I find that it's been on for who knows how long. Tonight I went to use it and the batteries were low -- I'm sure that didn't happen when I used it at Field Day, about the only time I've put much time on it. The batteries are inside the case which takes several screws to open (no trap door), so it's not convenient to remove a battery to prevent this.

I was thinking about supergluing a fat O-ring that barely fits around the power button -- something that would be high enough so the button would be recessed within it.

Has anyone else experienced this problem and found a simple solution?

TIA,
Dave K8TRF

Date: Tue, 31 Jul 2001 21:49:12 -0400
From: "ss lyon" <sslyon@megalink.net>
To: <wb3gck@yahoo.com>, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [103897] SW-40: best bang for the buck
Message-ID: <016201c11a2c\$2bb12f40\$5d8798ce@megalink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I heartily agree. It's probably the most often used rig in my stable, just listening while puttering (w/R/S DSP for spkr) or operating in the field. Not only performance but it seems to run forever on a 3 Ah battery. The SW80 is a deserving "twin". Great examples of "rigs from the roots" of our peculiar slice of the ham radio spectrum

72 / 73,
"Seab" Lyon - AA1MY
Bethel, ME 04217 USA
FN44nj . aa1my@arrl.net

----- Original Message -----
From: "Craig LaBarge" <wb3gck@yahoo.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Tuesday, July 31, 2001 9:31 PM
Subject: SW-40

(snip-snip)
> great the tone sounds and how stable the vfo is.

> Six and a half years after building it, this little
> rig is still my favorite and has quite a few miles on
> it
P.S. To the QRP-Lers: I have no financial interest
in this; just (obviously) a very satisfied customer.

Date: Wed, 1 Aug 2001 03:33:46 -0400
From: Ed Lawson <elawson@lawson-philpot.com>
To: qrp-1@lehigh.edu
Subject: [103898] Cub Fox Rod sounds lonely
Message-ID: <20010801033346.A12747@work1>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1

Things are active above .060, but don't forget Rod around .053.
sounds a bit lonely down there right now.

got both cubs tonight. Rod was weaker up here in New England, but the
OHR 500 pulled him out.

Ed Lawson
K1VP

Date: Tue, 31 Jul 2001 20:27:17 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: <qrp-1@lehigh.edu>
Subject: [103899] FOX Looking for Rod
Message-ID: <Pine.LNX.4.33.0107312022370.2803-100000@localhost.localdomain>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Well Dave was loud here in southern New Mexico with the beam
pointed East. I worked him at 0207Z. Then went looking for Rod who is very
close for 20 meters but with the beam (TH6DXX at 60 feet) looking north I
heard Rod N0RC about 339 but could copy most of what he said on 14.0532
MHz. Then he disappeared and expect weather got him. It's windy now here
and will step out and look at the sky...:-)

--
Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Tue, 31 Jul 2001 21:28:59 -0400

From: "Tom" <n1tp@worldnet.att.net>
To: "qrp-l@Lehigh.EDU" <QRP-L@LEHIGH.EDU>
Subject: [103900] FOX: CUB FOXES ARE LOUD!
Message-ID: <000701c11a29\$580ccde0\$888d4d0c@tom>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Band condition on 20 between Florida and Colorado/Missouri
are SUPER this evening. Both CUB FOXES are pounding into SW Florida.

Tom, N1TP
Naples, Florida

Date: Tue, 31 Jul 2001 20:30:27 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: <qrp-l@lehigh.edu>
Subject: [103901] FOX WX
Message-ID: <Pine.LNX.4.33.0107312029020.2803-1000000@localhost.localdomain>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Wow, the sky is black and lightning is moving this way. I'm QRT
until it goes away after, I hope, dropping some much needed rain.

--
Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Tue, 31 Jul 2001 22:33:12 -0400
From: "George Osier" <gosier@twcnny.rr.com>
To: <qrp-l@lehigh.edu>
Subject: [103902] OT: I.O.T.A. ...WHATS INVOLVED ????
Message-ID: <005f01c11a32\$502b8180\$fc704342@twcnny.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello All !!!

I live near the Thousand Islands and am thinking of getting a island on the air

I have read the site that the RSGB has and its rules and qualifications for a IOTA island but I also would like to hear from someone who has gotten a island on the air.....

Info such as :

what is needed ???
special requirements ????
any special tricks handy tips for the new island.....?????

Permission might be a problem on some of these islands since they are NOT private property but are held by the State of New York ?????

ANY help from someone who has done this would be great !!!!!

The Northern New York Contest Club would be putting on the whole thing and I think it would be a FIRST time for the Thousand Islands !!!

73s

George Osier , N2JNZ / QRP
President

Date: Tue, 31 Jul 2001 21:46:30 -0500
From: "George, W5YR" <w5yr@att.net>
To: k5di@zianet.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [103903] Re: FOX Looking for Rod
Message-ID: <3B676D86.3A647F5D@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I worked Rod at 0234 when I first heard him. Nothing at all for over 30 minutes after working Dave at 0203. Dave was quite strong here and Rod just popped up out of the noise for about 15 minutes - he is fading back down rapidly now.

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 55th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

"Karl F. Larsen" wrote:

>
> Well Dave was loud here in southern New Mexico with the beam
> pointed East. I worked him at 0207Z. Then went looking for Rod who is very
> close for 20 meters but with the beam (TH6DXX at 60 feet) looking north I
> heard Rod N0RC about 339 but could copy most of what he said on 14.0532
> MHz. Then he disappeared and expect weather got him. It's windy now here
> and will step out and look at the sky...:-)

Date: Tue, 31 Jul 2001 22:52:00 EDT
From: N10DL@aol.com
To: qrp-l@lehigh.edu
Subject: [103904] FOX Rod
Message-ID: <91.e2c7772.2898c8d0@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hear Rod on 14.053.4 but he does not seem to hear me at all....he just faded
down to nothing here in NH. will keep trying....

Aron
N10DL

Date: Tue, 31 Jul 2001 23:00:08 -0400
From: Pete Burbank <plburbank@kih.net>
To: k5di@zianet.com, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [103905] Re: FOX Looking for Rod
Message-ID: <5.0.2.1.0.20010731225746.00a88150@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 08:27 PM 7/31/2001 -0600, Karl F. Larsen wrote:

> Well Dave was loud here in southern New Mexico with the beam
> pointed East. I worked him at 0207Z. Then went looking for Rod who is very
> close for 20 meters but with the beam (TH6DXX at 60 feet) looking north I
> heard Rod N0RC about 339 but could copy most of what he said on 14.0532

>MHz. Then he disappeard and expect weather got him. It's windy now here
>and will step out and look at the sky...:-)
>
>--
>Yours Truly,
>
> - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
Rod is getting stronger in KY and still on 14.053217
73 Pete NV4V

Date: Tue, 31 Jul 2001 22:59:44 -0400
From: "Bill, N4QA" <n4qa@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [103906] One last look...a more conventional PSK-80 CW rig, no S/W req'd
Message-ID: <F103GFyVjHWIgZr8Qop00011390@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Hi, gang.

This actually wraps up the PSK-80 Warbler CW project.

Wild horses could not make me post on this topic one more time !

For a conventional approach to making a CW rig out of the PSK-80 Warbler,
please see Method 2 at:

<http://www.qsl.net/n4qa/warbler.html>

Thank you for your indulgence.

73.

Bill, N4QA di di di dah di dah dit dit

Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>

Date: Tue, 31 Jul 2001 22:25:00 -0500
From: Todd Enders <enders@bolshoi.cc.misu.nodak.edu>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [103907] Fox - Got 'em Both, but Tough Going...
Message-ID: <200108010325.AA01102@bolshoi.cc.misu.nodak.edu>

Content-Type: text/plain

Mime-Version: 1.0 (NeXT Mail 4.2mach_patches v148.2)

Just worked Rod a bit ago to complete the set. He was never all that loud here, peaking maybe S4, with deep QSB. Needed all 5W to get a 339 report from him. Yowza!

Dave was coming in great guns until the sun set, then he started to crap out here. Threw 5W at him after several mW tries failed. He's now 559 and fairly steady, though the QSB is noticeable at times.

Go get 'em guys! :-)

72/73,

Todd, AG0T

Date: Tue, 31 Jul 2001 23:27:46 -0400
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: ".QRP-L Discussion Group" <QRP-L@Lehigh.edu>
Cc: ")W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [103908] Cub FOXes spotted
Message-ID: <200107312328_MC3-DB12-77B4@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
charset=ISO-8859-1
Content-Disposition: inline

Gang:

Rod is at 14.053.4, with a solid 569 signal into Bismarck at 0310. Dave =
is
at 14.061.8 and about 329 at 0310. Both Cub FOXes are calling CQ FOX, so=

this could be your chance to bag a pelt or two tonight. Plenty of time
left, too. Good luck, everyone.

73,

--Doc/K0EVZ

Date: Tue, 31 Jul 2001 22:42:48 -0500
From: Todd Enders <enders@bolshoi.cc.misu.nodak.edu>

To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [103909] FOX -- Band Shifting Gears...
Message-ID: <200108010342.AA01183@bolshoi.cc.misu.nodak.edu>
Content-Type: text/plain
Mime-Version: 1.0 (NeXT Mail 4.2mach_patches v148.2)

Dave is now at ESP level in North Central ND. Rod is completely gone. Hope the shift gives some others a whack at the foxii! :-)

72/73,

Todd, AG0T

Date: Tue, 31 Jul 2001 20:49:49 -0700
From: "Bob Hightower" <nk7m@extremezone.com>
To: "qrp list" <qrp-l@lehigh.edu>
Subject: [103910] RE: SSS Kits
Message-ID: <000901c11a3d\$06374fe0\$db127d3f@de11>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

We've caught up with all the orders that came in while we were gone at Tuthill, and the second run of parts is here.

I might mention a couple of points about the kit: it features a quality silk-screened, solder masked board with plated through holes, and the IC sockets are machined, not stamped. All components are of the best quality we could get without going overboard. Reports we have gotten have been very favorable thus far.

For those not familiar with this kit, go to
<http://www.extremezone.com/~nk7m/cwafc.htm> for a look.

I will be on vacation for two weeks beginning August 6th, so orders received during that period will be shipped when I get back. If you have already ordered, I'll ship as soon as I receive your order, up to Saturday's mail.

Thanks,
Bob NK7M

Date: Tue, 31 Jul 2001 23:00:32 -0500
From: David Gauding <david.gauding@bbs.galilei.com>
To: qrp-l@lehigh.edu
Subject: [103911] 9A4A/EU170 on 14.012 @ 0402Z
Message-ID: <5.1.0.14.0.20010731225251.025fbb70@bbs.galilei.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

9A4A/EU170 on 14.012 @ 0402Z

Zlat is a solid 579 into the Midwest. No pile-up, great ears, patient!
Confirming that it's "EU170"!

Worked with DSW-20 and 2 watts to St. Louis Quickie Vertical.

In QSO with YT7TY at 0405Z.

Good luck,

de Dave, NF0R nf0r@slacc.com

Date: 31 Jul 2001 23:08:41 CDT
From: Richard Clem <clem.law@usa.net>
To: <qrp-l@lehigh.edu>
Subject: [103912] XE2 QRPedition report
Message-ID: <20010801040841.10.qmail@nw178.netaddress.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable

For those who are interested in my minimalist QRP DXpedition to Monterrey=
,
Mexico, this past weekend, I've posted a report on the web:

<http://www.geocities.com/clem.law/clem/dxped.html>

I worked an even dozen QSOs on 40 CW, and two more on 2 meter FM.

73,
Rick W0IS, XE2/W0IS

Date: Tue, 31 Jul 2001 22:08:21 -0500
From: Bill Stietenroth <k5zty@juno.com>
To: dodgeboy@mindspring.com
Cc: qrp-1@Lehigh.EDU
Subject: [103913] Re: Vectronics ant analyzer power switch
Message-ID: <20010731.231444.-3893115.1.k5zty@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Grind the length of the button down to almost flush with the face of the box. I had to do it to my VA1 Analyst and it works great . You don't need a button that sticks out 1/8" from the front of the meter. You can stick your finger in the hole to push the button.

Bill , K5ZTY
Houston,TX

On Tue, 31 Jul 2001 21:45:14 -0400 "Dave Benham"
<dodgeboy@mindspring.com> writes:
It's a nice fit, but the power button on the
> analyzer
> gets pushed accidentally sometimes when this bag is knocking around
> Dave K8TRF
>

Date: Tue, 31 Jul 2001 22:15:04 -0600
From: "Rod Cerkoney, N0RC" <rod@n0rc.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [103914] FOx N0RC PreLim
Message-ID: <030a01c11a40\$8ac5ea20\$6401a8c0@c919125b>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

DANG 35 QSOs!

The first hour was great, Loud sigs every where coast to coast then the band started changing.

Exp. Doc, K0EVZ was the first QSO, easy 599, blew my socks off he did!

;-) Todd, AG0T about an hour later, I could barley copy! They are only 100 miles apart!

Oh well no mater how you slice it, compared to this weekend, 20m was "SMOKIN!".

I did have to QSY up and down a bit to clear some DXers. PX3AP @ 0330 & others. Then, five min before the end I get called by P4/KM4P!!!
(Non-hound)

Sidenote: Interesting problem being called by non-hound. To keep things moving, I gave him a RST QTH only exchange and moved on.
Be ready future hounds.

Thanks all for helping me try to get to 50 QSOs (maybe next year), if I missed you, SRI, QSB & Static from the T'storm in the region made hearing you a bit tough in the last hour.

Alas, I didn't get a single one of the 4 states I needed to complete QRP WAS--NUTS! ;-)

73, Rod N0RC
Ft Collins, CO

Date: Tue, 31 Jul 2001 21:58:58 -0700
From: "N7SG K7FD" <k7fd@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [103915] 40m hot tonight!
Message-ID: <F50GTuAyHsjCGvseE4D0000b1e6@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Nice signals on 7MHz this evening...just (0458Z) worked Doc K0EVZ on his new Sierra/2watts/Double Bazooka...nice 579, peaking s8 at times...

John K7FD, NC40a/2watts/40m loop

Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>

Date: Wed, 1 Aug 2001 10:24:01 +0200
From: "C Andersson" <sm6pxj@swipnet.se>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [103916] Re: 38 Special BC breakthrough
Message-ID: <002301c11a63\$524f55a0\$221c97d4@W98.swipnet.se>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

I had a problem with strong stations on 12 MHz leaking into the IF.

Concerning 'thumps', AB7MY treats this (and other things) in "The =
(nearly) complete guide to the mods". Better decoupling of the 8V bus, =
C15 reduced, improved PIN-diode switch isolation, extra FET switch etc.
<ftp://ftp.lehigh.edu/pub/listserv/qrp-l/archives/1997/970804> halfway =
down the page.
/sm6pxj

>KB1CW wrote:=20

>Hi What noise ? I have a 38 Special with a "thump" when you release
>the key. I understand that many of these rigs have this problem but I
>haven't seen the cure as yet. Is this the noise your talking about ?.
>Appreciate your comments.
>Jack KB1CW

C Andersson wrote:

>=20

> Thanks for the hints, directly and via the group.
> I ended up with a parallell tuned 12 MHz trap (4,7uH + small trim cap) =
between TC1 and C4. Added a 18pF cap between TC1 and the new trap. Also =
changed C4 from 10nF to 10 pF and put a shield around T1.
> Really nice to get rid of that noise...
> 73
> Christer - SM6PXJ

Date: Wed, 01 Aug 2001 07:08:15 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: wb3gck@yahoo.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [103917] Re: SW-40

Message-ID: <3B67E31F.5D68516A@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Way back when, I built a NE4040 from the second run. I put it into a very small mini box. I did have one problem with it, an RF choke in series with the crystal filter opened up and stopped all signals. After finding and repairing that I used the rig in the Pennsylvania QSO party. It was my first time entering the party. I made 50 contacts on Saturday afternoon with it. At the time I didn't know you could get a coffee mug for 100 contacts or I would have gotten on the next day too! It's a decent little rig, and the only rig I can say I would take out to play! I'm sure the SW40 series are just as good.

73

Date: Wed, 1 Aug 2001 07:45:14 EDT
From: MITCHELLRI@aol.com
To: qrp-l@lehigh.edu
Subject: [103918] Miracle Whip
Message-ID: <82.de8ea40.289945ca@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Well, having re-made the kit form of the MW, I decided to try the unit under "Ideal mobile" conditions. BTW, I used a 72" telescoping whip.

Site: rest area overlooking the Cape Cod Canal in Kennedy land. (he was not driving).

Rig: FT817 perched on the roof of the A6, MW installed, whip extended, power from car. SWR according to the 817, acceptable, not flat. On 20, attempted to check into the Marine net on 14.300. Net control was in Ohio. I was very weak he barely got my call sign. Next was 17, and was heard but not confirmed by a DJ7, who had no luck with other cq's. 10 seemed dead, as was 15. This was Tuesday, July 31 at about 11:00AM EDT.

Conclusions: As a receiving antenna, it works very well. Tuning out SWR can be a challenge, do that on really low power. Viability as a transmitting antenna? Marginal at best, at least on SSB. Mebbe CW's natural ability to be heard better would help.

I am travelling to CT today, and will try at water's edge in Saybrook. BTW, I will be on 145.29 if anyone is in the area.

73

Leeds Mitchell, WA1GJF

Date: Wed, 1 Aug 2001 13:09:56 +0100
From: "Ray Goff" <radioham@gmx.co.uk>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [103919] FW: Miracle Whip
Message-ID: <FDE0KGEJJFNPABJIJGDDCEKHCHAA.radioham@gmx.co.uk>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="US-ASCII"
Content-Transfer-Encoding: 7bit

And that is with a 72 inch whip, in contrast to the 48 suggested in the article.

72's de Ray g4fon

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of MITCHELLRI@aol.com
Sent: 01 August 2001 12:45
To: Low Power Amateur Radio Discussion
Subject: Miracle Whip

Well, having re-made the kit form of the MW, I decided to try the unit under "Ideal mobile" conditions. BTW, I used a 72" telescoping whip.

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I am travelling to CT today, and will try at water's edge in Saybrook. BTW, I will be on 145.29 if anyone is in the area.

73

Leeds Mitchell, WA1GJF

Date: Wed, 1 Aug 2001 05:52:35 -0700 (PDT)
From: Norman Young <norman_y@yahoo.com>
To: qrp-1@lehigh.edu
Subject: [103920] Thanks
Message-ID: <20010801125235.90449.qmail@web11601.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Thanks to all who responded to my question regarding a supplier for the MC3335 chip. I got more than a dozen responses, and in the process, found a supplier. I have replied to each person individually, but I thought everyone should be aware of the number of helpful folks out there.

72,
Norman
KA4PUV

Do You Yahoo!?
Make international calls for as low as \$.04/minute with Yahoo! Messenger
<http://phonecard.yahoo.com/>

Date: Wed, 01 Aug 2001 09:05:51 -0400
From: "Craig A. Ferris" <cferris@aeronix.com>
To: qrp-1@Lehigh.EDU
Subject: [103921] FS:Varactors BB204B(sub for MV104), gel cells
Message-ID: <3B67FEAF.2C6874AC@aeronix.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I still have some varactors left, and 12v 4.5Ahr batteries.

BB204B dual common cathode in a to-92 package. Typical value of 60pF@0.8v and 25pF@8v. Same spec as mv104 that Dan's sells for \$1.65. 10/\$3 30/\$7 100/\$20 shipped.

Batteries are \$4 ea. or 3/\$10 + shipping.

72,
Craig NR4E
Melbourne, FL

Date: Wed, 1 Aug 2001 09:11:16 EDT
From: Drbob92031@aol.com
To: qrp-l@lehigh.edu
Subject: [103922] Vertical questions
Message-ID: <1e.1952d0e5.289959f4@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi all;

I figure someone will have some input on this multi-question about trying to improve my vertical antennas output.(increase dB output and change radiation pattern at the same time; I am more concerned with increase in output than F/B ratio)

I have a 20 M. Home brew ground mounted vertical in the back yard. It has 9 radials. It does a good job. I would like to increase the dB output and reshape the radiation pattern. I would like to put another vertical 1/4 wl away. This second vertical will be either a reflector or director as I can alter the length at my discretion. The questions are:

I do not want to get involved with "phasing"

Does this second vertical require radials?

Will this second vertical alter the Radiation resistance I now have (1:1.5 SWR)?

If it will alter the radiation resistance can I place a Gamma match on the active vertical as I would have on the active element of a 2 element beam?

My thoughts are that this active vertical with its radials is similar to a dipole that is bent at rt. angles at the feed point. (similar to a beam element that would be bent at rt. angles).

Any discussion of this would be appreciated. You can post to QRP-L or e-mail me privately if you feel this is too highly focused.

The reason I am going to all this trouble is that I live in a community that forbids outside antennas. So far the vertical has caused no feedback (problems)

Tnx for any input;

72/73 de WA2EAW..Bob

Date: Wed, 01 Aug 2001 06:25:49 -0700
From: Thomas Kuehl <ac7a@gci-net.com>
To: unlisted-recipients;; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>

Subject: [103923] Re: Ham Radio mag on CDs
Message-ID: <3B68035D.6C68E34D@gci-net.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Chris,

I recently purchased the full HR CD set from Paul Washa. He offers the set at a substantial savings, but since he is closing down his business I am not sure how much longer they will be available.

The viewing of the articles is the same as with the ARRL publications on CD. The text is somewhat fuzzy on the nominal view setting. It improves considerably as the text is zoomed, reaching good clarity at higher magnification.

Printing the articles, using the "error diffusion" setting on my ink-jet printer results in clean, clear reproductions. That has been a pleasant surprise. It is a very convenient to print the articles and have a leisurely read, away from the computer.

Since I disposed of my HR collection some years back - due to space issues, it is wonderful to have the full collection at my fingertips again.

Best regards, Thomas - AC7A (Tucson)

Chris Trask wrote:

> The \$150 for the set of CD's is far cheaper than what you would spend
> to collect the entire magazine, even if you could get them at \$1
> apiece. I have a number of extras from my effort (successful) of
> putting together an entire collection years ago, and I will sometimes
> list them for sale at \$1 each, with the earlier years going for more as
> they are scarcer (1968 is \$5 each).

>
> I'd be interested in hearing what the overall quality of the CD version
> is like. A similar effort at putting the Radiotron Designer's Handbook
> 4th edition on CDRom produced a poor quality version (a low resolution
> was used). I keep my Ham Radio originals carefully stored so as to
> keep them in good copyable condition.

>
> Chris

>
>
> Nils R Young wrote:

> >
> > Gang,

Date: Wed, 1 Aug 2001 09:43:12 -0400
From: "Larry Spinner" <n2icz@hotmail.com>
To: <Drbob92031@aol.com>
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [103924] Re: Vertical questions
Message-ID: <0E16pSWer0c0Ne0PaLI000043f3@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

You may want to try spacing it around 1/8th of a wave apart from the fed vertical. You'll probably get more directivity. I beleive you'll have to phase them with radials in order to achieve the directivity...

Sounds very interesting... Let us know how it turns out!

Larry N2ICZ

----- Original Message -----

From: <Drbob92031@aol.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Wednesday, August 01, 2001 9:11 AM
Subject: Vertical questions

> Hi all;
> I figure someone will have some input on this muli-question about trying
> to
> improve my vertical antennas output.(increaee dB output and change
> radiation
> pattern at the same time; I am more concerned with increase in output than
> F/B ratio)
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> radials. It does a good job. I would like to increase the dB out put and
> reshape the radiation pattern. I would like to put another vertical 1/4 wl
> away. This second vertical will be either a reflector or director as I can
> alter the length at my discretion. The questions are:
> I do not want to get involved with "phasing"
> Does this second vertical require radials?
> Will this second vertical alter the Radiation resistance I now have
> 1:1.5
> SWR)?
> If it will alter the radiation resistance can I place a Gamma match on the
> active vertical as I would have on the active element of a 2 element beam?
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> dipole that is bent at rt. angles at the feed point. (similar to a beam
> element that would be bent at rt. angles).
> Any discussion of this would be appreciated. You can post to QRP-L or
e-mail
> me privately if you feel this is too highly focused.
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that
> forbids outside antennas. So far the vertical has caused no feedback
> (problems)
> Tnx for any input;
> 72/73 de WA2EAW..Bob
>

Date: Wed, 01 Aug 2001 10:04:34 -0400
From: Chuck Ludinsky <cjl@mitre.org>
To: neqrp@jonal.net, qrp-l@lehigh.edu
Subject: [103925] NEQRP meeting, SATURDAY at ARRL HQ
Message-ID: <3B680C72.CA135121@mitre.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The next meeting of the NEQRP Club will be held on 4 August 2001 at the ARRL Headquarters in Newington, CT, starting at 9:00 AM. The agenda will focus on:

- The contest in September...QRP AFIELD. Among other things, QRP SSB will be included in this year's event. A sign-up for "hours of operation" using WQ1RP will be discussed.
- Discussion for NEW club project. Money, time and feasibility of a new club project and what can successfully be implemented by the membership.
- Homebrew "Show & Tell." Bring all types of home made gear including antennas, power supplies, RF generators (a.k.a. transmitters) and receivers. Also, bring commercial gear for others to hear the likes and dislikes of your new equipment. Bring your K1, K2, FT-817, the new Ten Tec QRP, NorCal 40A, etc., along and tell others about it.

Other items for the agenda will be brought up at the meeting.

In addition, Dennis, K1LGQ, says that Dave Benson, K1SWL (ex-NN1G) is going to bring along some new ideas that he will unveil at the meeting. Be sure not to miss it.

The SGAT (Swap & Give Away Table) will be in full force. Bring

over-stock of your shack, wire, coax, resistors, capacitors, transistors, power supplies of all types, "for-trade" homebrew rigs, hollow-state devices (tubes)--clean out the shack and share with your fellow QRP members what is excess in your QTH. It's better to share than to just keep it all in a box!

72 DE K1CL,
Chuck.

Directions to ARRL HQ:

>From the east:

1. Route I-84 to 91S Hartford, CT
2. Route 91S to Route 5/15 South
3. Route 5/15 to Route 174 WEST
4. Route 175 West to Route 176 (Main Street in Newington, CT)

Date: Wed, 01 Aug 2001 10:19:21 -0400
From: John Wagner <john@neknetwork.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [103926] FOX: 1 for 2 in VT
Message-ID: <3B680FE9.F90AD9B1@neknetwork.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Got on a bit late last night. Heard N0IT and nailed him with one shot. One down, I went looking for Rod. I didn't think CO would be a problem 'cause I worked ET last week with a one-shot wonder too.

No go for N0RC. Listed for over an hour. Thought I heard Dave, W0CH getting a pelt so I listened and listened but never could hear Rod.

Did manage to work an IZ station with 5w on 14.055, seemed like the band was definitely pointed east for me. Which is good...

'Cause next week we have a special event Cub Fox! DX station EA5CHQ will take to the field as Cub Fox at the special time of 2300Z on 8/7/01! An hour after Juanjo's hunt ends, KB9YIG will start up his hunt at the regular time of 0200Z on 8/8/01. It should be an exciting night!

73 de John, KB1ENS

--

John Wagner - john@neknetwork.com
Web page: <http://www.neknetwork.com>

Date: Wed, 01 Aug 2001 07:32:37 -0700
From: "Chris Trask" <ctrask@qwest.net>
To: ac7a@gci-net.com
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [103927] Re: Ham Radio mag on CDs
Message-ID: <3B681305.D82A37E9@qwest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Glad to hear that somebody is making CDRom copies of magazines and journals with good quality. I have various IEEE CDRoms, including the entire MTT series, and the quality of those is just as good as making photocopies from the originals. I wish now that other IEEE transactions would be published as such, particularly Circuit Theory and the Journal of Solid State Circuits. With those here at home, my visits to the university library would be cut in half.

I doubt that I will ever part with my set of Ham Radio. Too much effort went into that, and I still prefer to browse through an original.

Chris

Thomas Kuehl wrote:

>
> Chris,
>
> I recently purchased the full HR CD set from Paul Washa. He offers the set at a
> substantial savings, but since he is closing down his business I am not sure how
> much longer they will be available.
>
> The viewing of the articles is the same as with the ARRL publications on CD. The
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> Printing the articles, using the "error diffusion" setting on my ink-jet printer
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> > was used). I keep my Ham Radio originals carefully stored so as to
> > keep them in good copyable condition.
> >
> > Chris
> >
> >
> > Nils R Young wrote:
> > >
> > > Gang,
> > >
> > > Ok, ok, I get it. The ARRL is sellin' the entire series on CDs. Pretty
> > > 'sensive, though, at \$150 for the set of 3.
> > >
> > > Almost makes me wish that I'd hung onto every single issue I got . . .
> > > which was quite a few, seein' as how I got my first subscription in 1968
> > > (one of the first issues) and got the last issue in 1990. Still have the
> > > last issue. Makes me sad just lookin' at it.
> > >
> > > It was one heck of a good magazine.
> > >
> > > And thanks to all of youze what sent me an email about that.
> > >
> > > 73
> > >
> > > Nils
> > > -----
> > > Nils R. Bull Young -- El Gringo Errante -- La Estancia de los Guajolotes

```
> > > Sonrientes
> > > W8IJN -- http://www.geocities.com/nilsbull/w8ijn
> > > In my day you had to FIGHT to have digits! Every DAY was a STRUGGLE!
> > > --- Comrade Nikolai Sergeevich McTovarishov
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> > > -----
> > > GET INTERNET ACCESS FROM JUNO!
> > > Juno offers FREE or PREMIUM Internet access for less!
> > > Join Juno today! For your FREE software, visit:
> > > http://dl.www.juno.com/get/tagj.
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High Performance Mixers and
Amplifiers for RF Communications

Chris Trask / N7ZWY
Principal Engineer
Sonoran Radio Research
P.O. Box 25240
Tempe, Arizona 85285-5240

IEEE Member #40274515

Email: ctrask@qwest.net
<http://www.primenet.com/~ctrask>

Graphics by Loek Frederiks

— —

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High Performance Mixers and
Amplifiers for RF Communications

Chris Trask / N7ZWY
Principal Engineer
Sonoran Radio Research
P.O. Box 25240
Tempe, Arizona 85285-5240

IEEE Member #40274515

Email: ctrask@qwest.net
<http://www.primeret.com/~ctrask>

Graphics by Loek Frederiks

Date: Wed, 1 Aug 2001 10:26:29 -0400
From: "Lau, Zack, W1VT" <zlau@arrl.org>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>
Subject: [103928] Re: Oscillators
Message-ID: <125490A005E3D3118C9C00805FC743CC027E2ECB@KAHLESS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

I've seen the ancient 723 voltage regulator used in low noise regulator circuits because the reference voltage can be bypassed. How do the latest low noise regulators compare?--Zack W1VT

Date: Wed, 01 Aug 2001 10:37:59 -0400
From: Mike Pupeza <mpupeza@sympatico.ca>
To: <qrp-l@lehigh.edu>
Subject: [103929] Re: Vertical questions
Message-ID: <B78D8C87.4E9D%mpupeza@sympatico.ca>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Bob;
I would suggest that you download the MMANA Antenna Analysing Program from the following URL.

<http://www.geocities.com/mmhamsoft/mmana/index.htm>

Within a couple of hours, using the manual and the simple examples, you should be able to model up your, rather simple, antenna system and try various combinations. By simple, I mean you don't have traps, coils, capacitors, etc., so the modelling should be very easy.

I am amazed that I was able to get it up and running in a short time - and I had NEVER done any Antenna Modelling before.

I was able to find that I could improve my Field Day Delta Loop Antenna by 4 dB on 20M, and a few dB on several other bands by simply feeding it from a different spot! Really neat!

Good luck and 72, 73

Mike VE3EQP.....>

Date: Wed, 1 Aug 2001 10:43:09 -0400
From: "Ronald C. McConnell" <rcmcc@earthlink.net>
To: "'QRP-L'" <qrp-l@lehigh.edu>
Subject: [103930] FW: Yo-Yo-Tenna/dipole
Message-ID: <000701c11a98\$4978f6e0\$d9be0ecf@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: Ronald C. McConnell [mailto:rcmcc@earthlink.net]
Sent: Wednesday, August 01, 2001 10:30 AM
To: 'HFPack'
Cc: 'Ed-W1RFI Hare'; 'NJQRP'; 'QRP-L'; w2iol@arrl.net;
tinytenna@hotmail.com; terry.elliott@cwcom.net
Subject: RE: Yo-Yo-Tenna/dipole

Yo-Yo-Tenna at

<http://www.qth.com/dwm>

Verrrry interesting...

With two of these one could build a portable
two-element wire beam for the frequency
of choice of the moment and band conditions.
A reflector would be about 5% long with
the center shorted, or a director would
be about 5% short with center shorted.
(Exact lengths & spacings subject to experiment
and modeling, height, etc.)

With 3, one could do a 3-element beam
(assuming supports available).

Has anyone tried it?

Cheers, 73,

Ron McConnell
w2iol@arrl.net

Date: Wed, 1 Aug 2001 10:52:31 EDT
From: ARDUJENSKI@aol.com
To: qrp-1@lehigh.edu
Subject: [103931] Ribbon Dipole
Message-ID: <20.1a09d348.289971af@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hope this will be of interest to some--

<http://www.qsl.net/qrp/ant/rib-dip.htm>

Alan KB7MBI

Date: Wed, 1 Aug 2001 10:55:52 EDT
From: ARDUJENSKI@aol.com
To: qrp-1@lehigh.edu
Subject: [103932] Digital mw meter?
Message-ID: <cc.189fd661.28997278@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I was wondering if there are any other mw power meters or is the WM-2 the only one available? Any digital ones? Digital interface for WM-2? Alan KB7MBI

Date: Wed, 1 Aug 2001 09:58:03 -0500 (CDT)
From: Jim Glover <psykey@okcforum.org>
To: qrp-1@lehigh.edu
Subject: [103933] Soldering: selecting optimum temperature
Message-ID: <200108011458.f71Ew3T24635@okcforum.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I recently picked up a used Edsyn temperature controlled soldering station at a hamfest. I find myself wondering... now that I can choose any temperature I want, how do I know which temperature to choose?

My 1992 ARRL handbook says that the best temperature is about 100

degrees above the melting point of the solder being used. In most cases, that would be well below the 650-800 degrees that I've seen in a few recommendations I came up with in a web search.

How do I make the best possible choice about what temperature to set on my temperature controlled soldering station?

And while we're at it, please feel free to throw in your favorite recommendations on the general topic of getting the most out of a temperature controlled soldering station.

Jim WB5UDE

Date: Wed, 01 Aug 2001 10:06:38 -0500
From: "George, W5YR" <w5yr@att.net>
To: ARDUJENSKI@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [103934] Re: Digital mw meter?
Message-ID: <3B681AFE.85962DB9@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Steve Weber "Melt Solder" designed and kitted an outstanding digital wattmeter recently. Provides readout of rms power regardless of waveform. Highly recommended. Max is 10 watts with error of 3% or 300 mw. Easy kit to build.

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 55th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

ARDUJENSKI@aol.com wrote:

>
> I was wondering if there are any other mw power meters or is the WM-2 the
> only one available? Any digital ones? Digital interface for WM-2? Alan KB7MBI

--

Date: Wed, 01 Aug 2001 10:25:27 -0500
From: "George, W5YR" <w5yr@att.net>
To: psykey@okcforum.org

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [103935] Re: Soldering: selecting optimum temperature
Message-ID: <3B681F67.54D5370C@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Jim Glover wrote:

> How do I make the best possible choice about what temperature to
> set on my temperature controlled soldering station?

Jim, I suspect that this is an impossibility to either answer or to actually do. The hooker is the term "best possible."

The most popular soldering station that many of us use is the Weller WTCPT. It can be used with tips that regulate at either 700 deg or 800 deg - possibly there are others but I am not aware of them. So, on that basis, 700 deg is *probably* a good all-around temperature to use for most relatively delicate PCB work.

Tip temperature and thermal capacity are variables for each type of soldering being done. Some jobs and materials will require high temps and a lot of capacity - such as soldering PL-259 connectors - while others demand low temps to avoid component or PCB trace damage.

The small tips used in PCB work with small components seldom have much thermal capacity - too little mass - so the temperature regulation is important in maintaining the tip temperature while actually soldering yet not burning up the tip while the iron is idle.

SMT device work is altogether a different topic about which I know exactly nothing - except that neither my 71+ year-old eyes and hands want to play that game.

De-soldering is another area in which a different temperature may be required. Some de-soldering tools have much larger and more massive tips than soldering tips.

To attempt to answer your question, though, I suggest that you set your control for around 700 deg and see how it works for the job you are doing. If you have had much soldering experience at all, you will quickly detect whether the iron is too hot or too cool for the job at hand. Then you can adjust as needed and take advantage of that convenient temperature control. I would be surprised if you came up with a setting much removed from 700 deg for most PCB work.

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6

Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 55th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

Date: Wed, 01 Aug 2001 08:29:09 -0700
From: lhlousek <lhlousek@nvhbell.net>
To: psykey@okcforum.org, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [103936] Re: Soldering: selecting optimum temperature
Message-ID: <009001c11a9e\$b5e7b220\$650dfea9@nvhbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Hi Jim,

When you use a low temp, just above the melting point of the solder, you need to hold the iron on the joint for a long time to get the joint hot enough, especially with soldering larger connections, wires or ground planes. The applied heat spreads out through all the conductors as you wait for the joint to come up to temp. A hotter iron will heat the local area quickly and allow you to complete the solder joint without heating up the rest of the circuit board. Too hot though and it just burns up the flux. I find that something in the range around 650 to 700 F seems to work the best for normal electrical solder. For large joints I use a bigger tip. For small joints, a finer tip.

Lou W7DZN

Date: Wed, 1 Aug 2001 11:48:07 -0400
From: Luke Stras <stras@ecf.toronto.edu>
To: qrp-1@lehigh.edu
Subject: [103937] Re: Ham Radio mag on CDs
Message-ID: <20010801114807.C19544@arrow.utias.utoronto.ca>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

On Wed, Aug 01, 2001 at 07:32:37AM -0700, Chris Trask wrote:

> photocopies from the originals. I wish now that other IEEE transactions
> would be published as such, particularly Circuit Theory and the Journal
> of Solid State Circuits. With those here at home, mu visits to the

They are -- or, more precisely, they're available from the IEEE Electronic Library on-line (it's called IEEE Xplore now, I think). I doubt that you'd like the price, though... Fortunately, I've got access through the snivelversity.

--

Luke Stras <stras@utias.toronto.edu>

"The meek can have the Earth; the rest of us have other plans"

--Henry Spencer

Date: Wed, 1 Aug 2001 11:50:09 -0400

From: "Mike Yetsko" <myetsko@insydesw.com>

To: <psykey@okcforum.org>, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>

Subject: [103938] Re: Soldering: selecting optimum temperature

Message-ID: <004201c11aa1\$a8647fe0\$6b01a8c0@INSYDENT>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Having a selection of irons... I've pretty much fallen into a 'fixed 700'

mode. In fact, I don't think I could find my 800 or 600 degree tips for my WTCPT station, although I'm fairly sure I bought at least one of each long ago.

When I use the 'variable' stations here at work, I use the same solder I use at home, and again, that's all set and comfortable for me with 700.

Yeah, there ARE cases where you might do better either hotter or cooler, but then you've got to make sure you're using the right solder.

It's just not worth the hassle. I use 700, all my stuff is now 700, and 700 works for me.

On those occasions where I need something with more 'oomph', like PL-259s, out come the big Weller gun with the multi-stage trigger.... It's not worth messing around with a small iron and cranking the tip temperature up when what was needed in the first place was wattage, not temperature.

Mike

----- Original Message -----

From: Jim Glover <psykey@okcforum.org>

> I recently picked up a used Edsyn temperature controlled soldering
> station at a hamfest. I find myself wondering... now that I can
> choose any temperature I want, how do I know which temperature to
> choose?
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> My 1992 ARRL handbook says that the best temperature is about 100
> degrees above the melting point of the solder being used. In most
> cases, that would be well below the 650-800 degrees that I've seen
> in a few recommendations I came up with in a web search.
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> How do I make the best possible choice about what temperature to
> set on my temperature controlled soldering station?
>
> And while we're at it, please feel free to throw in your favorite
> recommendations on the general topic of getting the most out of
> a temperature controlled soldering station.
>
> Jim WB5UDE

Date: Wed, 1 Aug 2001 11:50:30 -0400 (EDT)
From: wb4mnf@atl.org
To: qrp-1@Lehigh.EDU
Subject: [103939] Vertical questions
Message-ID: <200108011550.LAA26306@hat-trick.atl.org>
Content-Type: text

Bob-

If you have room for two verticals $1/4$ wave apart, you have room
for a full wave loop. Give it a try.
I'm talking a vertical plane loop here.

Want to play around with directivity?
If you can make your loop $1/8$ wave verticals and $3/8$ wave horizontals
and move the feed point around. Run as a two wave (20 me loop on 10)
and directivity gets real interesting.

Heck, mount 4 corners with pulleys and move feed by pulling on a rope :-)

You'll have to match via balanced tuner or careful trim
of balanced feed line.

-bob

Date: Wed, 1 Aug 2001 11:57:54 -0400
From: "AI2Q Alex" <ai2q@adelphia.net>
To: <Drbob92031@aol.com>, "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [103940] RE: Vertical questions
Message-ID: <000001c11aa2\$ba9a8f00\$df0cf618@alex>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Bob:

Why summarily disregard phasing?

Although admittedly it can add complexity to a multi-element vertical array's design, the use of simple hybrid combiners seems to take all the difficulty out of it for me. After trying various techniques (coax line sections, adjustable LC networks) for phasing my pair of 80-M verticals, I adopted ON4UN's suggestion of using a hybrid combiner. The one I use is described in his "Lowband DXing" handbook.

Mine is made out of two large Palomar toroidal cores that are glass-tape covered and then wound with glass-insulated stranded wire. The HV caps are from old TV sets. The terminating resistor is a 50-ohm non-inductive type. My combiner works FB at QRP or QRO levels, and is quite broadbanded. The vertical elements are 1/4-wave long wires running up into some trees. The ground system presently consists of 3,000-ft. of wire, some of it bare and buried, and some of it insulated and at turf level.

The setup works FB. I see 18 dB to 23 dB F/B ratio, and it works equally well, in terms of signal strength, to my 150-ft-long open-wire fed doublet at 65 ft.

With the network's terminals terminated in 47-ohm resistors on the bench, looking at the outputs with a dual-trace scope shows an almost perfect 90-degree phase shift. Although a pair of coax-fed elements doesn't present 50-ohms at either base, the combiner seems to work well anyway--just as ON4UN himself told me it would.

It's very useful, and fun, to be able to throw a toggle switch in the shack, feed reversible DC to a relay, and direct the pattern either one way or the other. The antenna often brings signals up out of the noise, and at other

times drops QRM and static crashes off the rear by 20 dB.

-- Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of Drbob92031@aol.com

Sent: Wednesday, August 01, 2001 9:11 AM

To: Low Power Amateur Radio Discussion

Subject: Vertical questions

Hi all;

I figure someone will have some input on this multi-question about trying to improve my vertical antennas output. (increase dB output and change radiation pattern at the same time; I am more concerned with increase in output than F/B ratio)

I have a 20 M. Home brew ground mounted vertical in the back yard. It has 9 radials. It does a good job. I would like to increase the dB output and reshape the radiation pattern. I would like to put another vertical 1/4 wavelength away. This second vertical will be either a reflector or director as I can alter the length at my discretion. The questions are:

I do not want to get involved with "phasing"

Does this second vertical require radials?

Will this second vertical alter the Radiation resistance I now have (1:1.5 SWR)?

If it will alter the radiation resistance can I place a Gamma match on the active vertical as I would have on the active element of a 2 element beam? My thoughts are that this active vertical with its radials is similar to a dipole that is bent at right angles at the feed point. (similar to a beam element that would be bent at right angles).

Any discussion of this would be appreciated. You can post to QRP-L or e-mail me privately if you feel this is too highly focused.

The reason I am going to all this trouble is that I live in a community that forbids outside antennas. So far the vertical has caused no feedback (problems)

Tnx for any input;

72/73 de WA2EAW..Bob

Date: Wed, 01 Aug 2001 16:02:58 +0000

From: "Leon Heller" <leon_heller@hotmail.com>

To: psykey@okcforum.org, qrp-l@Lehigh.EDU

Subject: [103941] Re: Soldering: selecting optimum temperature

Message-ID: <F12BLSAQV6uPDVniSnR00007dff@hotmail.com>

Mime-Version: 1.0

Content-Type: text/plain; format=flowed

It's best to use the temp. recommended by the solder manufacturer. I generally use about 380 C on the temp. setting control of my Weller soldering station. Of course, that might not be the actual tip temperature.

73, Leon

--

Leon Heller, G1HSM

Tel: +44 1327 359058

Email:leon_heller@hotmail.com

My web page: http://www.geocities.com/leon_heller

>I recently picked up a used Edsyn temperature controlled soldering
>station at a hamfest. I find myself wondering... now that I can
>choose any temperature I want, how do I know which temperature to
>choose?

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>My 1992 ARRL handbook says that the best temperature is about 100
>degrees above the melting point of the solder being used. In most
>cases, that would be well below the 650-800 degrees that I've seen
>in a few recommendations I came up with in a web search.

>

Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>

Date: Wed, 01 Aug 2001 12:12:44 -0400

From: "Craig A. Ferris" <cferris@aeronix.com>

To: qrp-l@Lehigh.EDU

Subject: [103942] Wanted:non-working qrp rigs

Message-ID: <3B682A7C.937B98CF@aeronix.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Looking for a project. Let me know condition and price. Reply direct.

72,

Craig NR4E

Melbourne, FL

Date: Wed, 1 Aug 2001 11:13:13 -0500
From: "Aartec" <aartec@dwx.com>
To: <qrp-1@Lehigh.EDU>
Subject: [103943] Re: Vectronics ant analyzer power switch
Message-ID: <000c01c11aa4\$dd260660\$1edececf@b6v6o9>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I had the same problem with my MFJ259. Now before I put it in the bag I plug a connector in the charge jack. That disconnects the battery pack so if the power button gets pressed on it won't run the batteries down.

Good luck.

72

Jerry

W0PWE

<http://www.qsl.net/w0pwe>

Date: Wed, 1 Aug 2001 09:15:19 -0700
From: "Mike Morrell" <morrellm@ameritech.net>
To: qrp-1@lehigh.edu
Subject: [103944] Need to find a coil...
Message-ID: <010801213.33318@webbox.com>
Mime-Version: 1.0
Content-Type: text/plain

Need to find a 2.4mh adjustable choke (yellow core). This is to replace the broken one I found while building an old A & A engineering 30m (Breed - QRP) kit. The core is ferrite I think and was very brittle due to age - and broke while I attempted to turn/adjust. This is on the TX side of the rig (the receiver aligned fb); but w/o this part I am up the creek w/o a paddle.

I placed an email to A & A and have yet to hear something from them...hence the call to the reflector.

Thanks for reading...

73 de Mike K8KE

Date: Wed, 1 Aug 2001 12:24:33 -0400
From: "ss lyon" <sslyon@megalink.net>
To: <Drbob92031@aol.com>, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [103945] Re: Vertical questions
Message-ID: <006c01c11aa6\$74980e20\$5d8798ce@megalink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Greetings Bob

If you are vertically challenged, (altitude) I'd strongly recommend a Half-Square for your band of choice, rather than phased "ground planes". It will certainly boost your sig effectively as the hi current is at the top -where you want it. If the supports are a bit too short, you can simply fold in the legs at the bottom. Check out W4RNL's great web page on verticals, esp. the "SCV's". (Self Contained Verticals)

Seabury & Sharon Lyon
99 Sparrowhawk Mtn Rd
Bethel, Me, 04217 U.S.A.
207-836-2576

----- Original Message -----

From: <Drbob92031@aol.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Wednesday, August 01, 2001 9:11 AM
Subject: Vertical questions

> Hi all;
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> SWR)?
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> active vertical as I would have on the active element of a 2 element beam?
> My thoughts are that this active vertical with its radials is similar to a
> dipole that is bent at rt. angles at the feed point. (similar to a beam
> element that would be bent at rt. angles).
> Any discussion of this would be appreciated. You can post to QRP-L or
e-mail
> me privately if you feel this is too highly focused.
> The reason I am going to all this trouble is that I live in a community
that
> forbids outside antennas. So far the vertical has caused no feedback
> (problems)
> Tnx for any input;
> 72/73 de WA2EAW..Bob

Date: Wed, 01 Aug 2001 11:24:22 -0500
From: David Heintzleman <pstrdave@kdsi.net>
To: Drbob92031@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [103946] Re: Vertical questions
Message-ID: <3B682D36.527FAEE5@kdsi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

yes, second vertical will require radials - Instead, skipping radials,
I would go with a half square - two quarter waves separated by a half
wave line. feed at a corner of a quarter wave and the half wave with 50
ohm coax - best radiation broadside to plane of the vertical elements -
good dx, poor local/close in.

You could run the phasing line just above ground, elevating your quarter
wave elements slightly or invert the thing, kinda like an upside down
"U" - - there is some concern about radiation pattern affected by where
you drape feed line. Easy matching, excellent antenna.

Dave K8BBM

Drbob92031@aol.com wrote:

>
> Hi all;
> I figure someone will have some input on this multi-question about trying to

> improve my vertical antennas output.(increaeee dB output and change radiation
> pattern at the same time; I am more concerned with increase in output than
> F/B ratio)
> I have a 20 M.

Date: Wed, 01 Aug 2001 12:22:59 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: MITCHELLRI@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [103947] Re: Miracle Whip
Message-ID: <3B682CE3.44EBDB5C@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Leeds,

NO quarter wave vertical antenna, I repeat NO quarter wave vertical antenna works worth a tinker's dam without a very good ground. Without a decent ground you cannot complete the RF circuit. Think about a battery with only one side connected, will current flow? Put a decent ground on it, say a couple of radials to start with and see if that does not make a difference! You could have used a piece of wire to receive with and you wouldn't have noticed the difference!

73

Date: Wed, 01 Aug 2001 09:42:12 -0700
From: "Chris Trask" <ctrask@qwest.net>
To: stras@ecf.toronto.edu
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [103948] Re: Ham Radio mag on CDs
Message-ID: <3B683164.373FEF4F@qwest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Luke Stras wrote:

>
> On Wed, Aug 01, 2001 at 07:32:37AM -0700, Chris Trask wrote:
>
> > photocopies from the originals. I wish now that other IEEE transactions

Subject: [103949] Re: level of xmitted RF from dummy load?
Message-ID: <125490A005E3D3118C9C00805FC743CC027E2ECD@KAHLESS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Path loss between isotropic radiators is 40 dB.
Pt=+37 dBm Pr>-141dBm 13 dB NF receiver
<178 dBm measured path loss
The "dummy load" antenna system has -69 dBi gain.
Field strength at the receiver is 1 picowatt/(square meter)
Zack W1VT

Date: Wed, 1 Aug 2001 10:06:40 -0700
From: Bob Nielsen <nielsen@oz.net>
To: George Osier <gosier@twcny.rr.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [103950] Re: OT: I.O.T.A. ...WHATS INVOLVED ????
Message-ID: <20010801100640.C7487@oz.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

On Tue, Jul 31, 2001 at 10:33:12PM -0400, George Osier wrote:

> Hello All !!!
>
> I live near the Thousand Islands and am thinking of getting a island on the
> air
>
> I have read the site that the RSGB has and its rules and qualifications for
> a IOTA island but I also would like to hear from someone who has gotten a
> island on the air.....
>
> Info such as :
>
> what is needed ???
> special requirements ????
> any special tricks handy tips for the new island.....?????
>
> Permission might be a problem on some of these islands since they are NOT
> private property but are held by the State of New York ?????
>
> ANY help from someone who has done this would be great !!!!!
>
> The Northern New York Contest Club would be putting on the whole thing and I
> think it would be a FIRST time for the Thousand Islands !!!

The Thousand Islands do not qualify for IOTA under Rule B.1.1, since they are located in a river. They do qualify for the U.S. Islands award, however (see <http://www.eng.mu.edu/~usi/>). Only 35 islands are listed for N.Y., so there are opportunities for many new ones. It takes 25 contacts to qualify a new island. As I recall (I visited about 15 years ago--beautiful area) some of the islands are in Canada, which has a separate list.

The USI Contest will be on August 25-26, which is pretty soon, but would be a good opportunity to make a lot of contacts.

IOTA rules are pretty tight. You really need the directory to figure it all out. I was able to qualify the island I live on by corresponding with G3KMA and sending him a scanned copy of a section of map showing that the separation from the mainland met the rules.

73, Bob N7XY

--

Bob Nielsen, N7XY
Bainbridge Island, WA
IOTA NA-065, USI WA-028S

nielsen@oz.net
<http://www.oz.net/~nielsen>

Date: Wed, 01 Aug 2001 13:08:18 -0400
From: Greg Lawrence <gwl1@cornell.edu>
To: qrp-l@lehigh.edu
Subject: [103951] Sample IEEE Journal of Solid-State Circuits table of contents
Message-ID: <5.0.1.4.2.20010801130436.019363c0@postoffice.mail.cornell.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

For those who might be curious about the content of IEEE journals, here's the table of contents for the July 2001 issue of Journal of Solid-State Circuits. This is for you information and I have no relation to the publisher.

greg W2JWM

Solid-State Circuits, IEEE Journal of
Volume: 36 Issue: 7 , Jul 2001

A sub-1-dB NF +2.3-kV ESD protected 900-MHz CMOS LNA
Gramegna, G.; Paparo, M.; Erratico, P.G.; De Vita, P.
Page(s): 1010 -1017

Low-power low-phase-noise differentially tuned quadrature VCO design in standard CMOS

Tiebout, M.

Page(s): 1018 -1024

A low-power 1-GHz super-regenerative transceiver with time-shared PLL control

Joehl, N.; Dehollain, C.; Favre, P.; Deval, P.; Declercq, M.

Page(s): 1025 -1031

Generating all two-MOS-transistor amplifiers leads to new wide-band LNAs

Bruccoleri, F.; Klumperink, E.A.M.; Nauta, B.

Page(s): 1032 -1040

A 1.8-V MOSFET only /spl Sigma//spl Delta/ modulator using substrate biased depletion-mode MOS capacitors in series compensation

Tille, T.; Sauerbrey, J.; Schmitt-Landsiedel, D.

Page(s): 1041 -1047

A 10-bit 200-MS/s CMOS parallel pipeline A/D converter

Sumanen, L.; Waltari, M.; Halonen, K.A.I.

Page(s): 1048 -1055

An eighth-order CMOS low-pass filter with 30-120 MHz tuning range and programmable boost

Bollati, G.; Marchese, S.; Demicheli, M.; Castello, R.

Page(s): 1056 -1066

A micropower class-AB CMOS log-domain filter for dect applications

Python, D.; Enz, C.C.

Page(s): 1067 -1075

Curvature-compensated BiCMOS bandgap with 1-v supply voltage

Malcovati, P.; Maloberti, F.; Fiocchi, C.; Pruzzi, M.

Page(s): 1076 -1081

1-V power supply CMOS cascode amplifier

Lehmann, T.; Cassia, M.

Page(s): 1082 -1086

A 147-dB dynamic range electronic attenuator for audiometric applications with on-chip 1-W power amplifier

Brigati, S.; Francesconi, F.; Poletti, M.; Fumagalli, D.; Grassi, G.;

Malcovati, P.

Page(s): 1087 -1093

A programmable intraocular CMOS pressure sensor system implant

Stangel, K.; Kolnsberg, S.; Hammerschmidt, D.; Hosticka, B.J.; Trieu, H.K.;

Mokwa, W.

Page(s): 1094 -1100

A new contactless smart card ic using an on-chip antenna and an asynchronous microcontroller

Abrial, A.; Bouvier, J.; Renaudin, M.; Senn, P.; Vivet, P.

Page(s): 1101 -1107

Optimum voltage swing on on-chip and off-chip interconnect

Svensson, C.

Page(s): 1108 -1112

Measurements and analysis of PLL jitter caused by digital switching noise

Larsson, P.

Page(s): 1113 -1119

A dual-phase-controlled dynamic latched amplifier for high-speed and low-power DRAMs

Fujisawa, H.; Takahashi, T.; Nakamura, M.; Kajigaya, K.

Page(s): 1120 -1126

A universal dual band LNA implementation in SiGe technology for wireless applications

Schmidt, A.; Catala, S.

Page(s): 1127 -1131

A high-IP3 RF receiver chip set for mobile radio base stations up to 2 GHz

Wohlmuth, H.; Simburger, W.

Page(s): 1132 -1137

12-bit low-power fully differential switched capacitor noncalibrating successive approximation ADC with MS/s

Promitzer, G.

Page(s): 1138 -1143

A 14-bit 1.8-V 20mW 1-mm/sup 2/ CMOS DAC

Tiilikainen, M.P.

Page(s): 1144 -1147

A 2.7-V CMOS dual-mode baseband filter for PDC and WCDMA

Hollman, T.; Lindfors, S.; Lansirinne, M.; Jussila, J.; Halonen, K.A.I.

Page(s): 1148 -1153

A fast pump-down V/sub BB/ generator for sub-1.5-V DRAMs

Kyeong-Sik Min; Jin-Yong Chung

Page(s): 1154 -1157

A virtual clock enhancement method for dds using an analog delay line

Richter, R.; Jentschel, H.
Page(s): 1158 -1161

Date: Wed, 1 Aug 2001 11:11:54 -0600
From: "T.W." <wb5qyt@abq.com>
To: <qrp-1@lehigh.edu>
Subject: [103952] Backpackin qrp
Message-ID: <MABBIKAEJNPMOAJMBKJJIEBECCAA.wb5qyt@abq.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Gang,

My youngest son(19) and I will be backpacking in the Pecos Wilderness today and tomorrow. Our destination is Nambe Lake. Of course I will be taking along my DSW-20, so listen up for me this evening starting about 0100z. Will be on or near 14.060.

Hope to work some of you from the great outdoors!

72, Tom WB5QYT..."Have spud will travel!"

Date: Wed, 1 Aug 2001 13:38:21 -0400
From: "C L Barnett" <kb4cuq@worldnet.att.net>
To: <qrp-1@Lehigh.EDU>
Subject: [103953] Re: Virus
Message-ID: <007101c11ab0\$c3be9d20\$e53d4d0c@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

To all on the list:

I would like to apologize to all who received the virus from me.

At first when I would receive E-Mail it would show for a few times who it was really from and then it would start to show that it was from myself and put it in the inbox and also in my out box. If I did not catch it at

once it would then start sending everything in my out box back out. I went to my ISP on four different times before they told me what was wrong. I had a technician to come in yesterday and clean it all out and then I went and purchased a new Anti-Virus program and installed it in my computer. Hope this did not cause too much trouble. I received it from the list.

Clyde L. Barnett KB4CUQ

Date: Wed, 1 Aug 2001 13:31:33 -0400
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [103954] ARRL and the Conjugate Match (was RE: QRP Miracle Whip)
Message-ID: <125490A005E3D3118C9C00805FC743CC023B357E@KAHLESS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

> They are the ones who decided that Walter Maxwell was so far
> afield with his book Reflections that they quit publishing the book
> and expunged all references to his work from all of their handbooks.

Actually, the reasons for no longer publishing the book were primarily economic. Most folks who wanted to buy the book from ARRL already had done so. The reasons for removing references from the Antenna book were primarily because ARRL felt that the conjugate matching theorem is much more applicable to a theoretical understanding of transmission lines than it is to real-world amplifier and antenna-tuner applications. Clearly, the League has no axe to grind, and in its TIS pages, for good theoretical reasons, we offer the the Maxwell series on Reflections -- an excellent resource.

See <http://www.arrl.org/tis/info/reflections.html>

FWIW, ARRL is selling the Reflections II book. See:

<http://www.arrl.org/catalog/?category=Antennas%2FTransmission+Lines&words=Reflections+II>

I have posted a few conjugate-match papers and articles on:

http://www.arrl.org/~ehare/temp/conjugate_match/n6bvletter.htm --
Correspondence

between Dean Straw and an ARRL member with a question
http://www.arrl.org/~ehare/temp/conjugate_match/conjugate_match_theorum.pdf
-- A
white paper by Dean Straw, N6BV, ARRL Antenna Book editor
http://www.arrl.org/~ehare/temp/conjugate_match/conj.pdf -- a reprint of
Zack Lau's
conjugate match article

This material is not for widespread distribution, but I don't mind sharing
it with my friends on QRP-L.

73,
Ed Hare, W1RFI
ARRL Lab
225 Main St
Newington, CT 06111
Tel: 860-594-0318
Internet: w1rfi@arrl.org
Web: <http://www.arrl.org/tis>

> -----Original Message-----
> From: Bill Stietenroth [<mailto:k5zty@juno.com>]
> Sent: Tuesday, July 31, 2001 7:50 PM
> To: Low Power Amateur Radio Discussion
> Subject: Re: QRP Miracle Whip
>
>
> Good for you Ray. I never did understand why the ARRL published that
> article anyway.
> They are the ones who decided that Walter Maxwell was so far
> afield with
> his book
> Reflections that they quit publishing the book and expunged all
> references to his work
> from all of their handbooks. Then they publish the Miracle
> Whip article.
> It really makes
> me wonder what their technical advisory committee smokes between
> decisions.
>
> Bill, K5ZTY
> Houston, TX
>
> On Tue, 31 Jul 2001 21:26:33 +0100 "Ray Goff" <radioham@gmx.co.uk>
> writes:
> > I looked at the design and did some tests, which I shared with the

> > FT817
> > group on Yahoo. Basically, I couldn't get the SWR anywhere
> > reasonable for
> > most bands. I certainly decided not to put the extra effort into
> > building
> > the final unit.
> >
> > 72' de Ray g4fon
> >
> >
>

Date: Wed, 1 Aug 2001 13:48:42 -0400
From: "Larry Spinner" <n2icz@hotmail.com>
To: <w6toy@erols.com>
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [103955] Re: Miracle Whip
Message-ID: <OE54eSNLdcIlBUDrM5b00007646@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I agree with Bruce 100%. A 1/2 of an antenna will remain a 1/2 of an antenna despite what ANYONE says or advertises about a small vertical without a ground. Do I think the MW will work? Yes. Somewhere, at sometime at the height of the solar cycle, this antenna will be 599 with a QRP sig. However, I think the original thread proved that the Miracle Whip is/will be a compromise antenna at best even with a decent ground. Then again, the creator of the device says that on his webpage (not in so many words). But he does say in the FAQ that other antennas will most likely work better...

Larry N2ICZ

----- Original Message -----

From: "Bruce Muscolino" <w6toy@erols.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Wednesday, August 01, 2001 12:22 PM
Subject: Re: Miracle Whip

> Leeds,
>
> NO quarter wave vertical antenna, I repeat NO quarter wave vertical
> antenna works worth a tinker's dam without a very good ground. Without

> a decent ground you cannot complete the RF circuit. Think about a
> battery with only one side connected, will current flow? Put a decent
> ground on it, say a couple of radials to start with and see if that does
> not make a difference! You could have used a piece of wire to receive
> with and you wouldn't have noticed the difference!
>
> 73
>

Date: Wed, 1 Aug 2001 14:37:20 -0400
From: "Gary Oneil" <n3go@us.ibm.com>
To: qrp-1@lehigh.edu, KLQRP@us.ibm.com
Subject: [103956] KeyLite users Survey
Message-ID: <0F906DFF29.1AF58E63-ON85256A9B.0060B274@raleigh.ibm.com>
MIME-Version: 1.0
Content-type: text/plain; charset=us-ascii

ATTENTION: KeyLite owners, users, and interested parties!

The KnightLites are considering a firmware revision/upgrade, and now that some of these are in service, I am soliciting your comments:

What about the KeyLite is good and, what is bad?

What did we do right, and what did we do wrong?

What did we include that has little or no value? Should it/they be omitted in the next revision?

What did we excluded that you feel is of great value? What feature(s) would you give up for this?

What new features would you like to see added? Keep these simple, as program memory is limited. What feature(s) would you give up for this?

For example: What use would you propose for the two optional (J5) input ports?

Is using the KeyLite as intuitive as you would like?

For example: Is the <scroll lock> key a good choice for the "pause" function, or would the <pause> key be more intuitive?

Is changing code speeds and switching between normal and Farnsworth modes intuitive or cumbersome?

Should all characters be upper case, lower case, selectable, or mixed?

Are the default configuration settings OK, or should custom settings be restored from non-volatile memory.

Try to offer reasons for your judgments/comments... Sound reasoning can go a long way toward winning our support.

Send you ideas and comments to the KnightLites (KLQRP@knightlites.org), or QRP-L (QRP_L@Lehigh.edu) reflectors... Your ideas will create debate and spawn other ideas. When the dust settles, we should have a fair assessment of feature priorities, and some insight on how we can improve upon what we now offer.

In response to a question I know many of you are ready to ask, the answer is NO! This will not be a "free" firmware upgrade... However: in keeping with our already established precedence, upgrades will be offered at cost... This will be established at the time we announce its release. For the penny pinchers among you, there's no benefit to delay ordering a KeyLite in anticipation of a firmware upgrade. If we don't sell a sufficient quantity, the cost will increase to hedge our losses, and in the end quite possibly cost you more. In the worst case, low or zero sales could signal disinterest, and kill any incentive for a firmware revision. On the other hand, if sales soar, and we discover we're creeping into the black a bit, the firmware upgrade could approach that of an SASE. We can always hope :-)

I want to encourage you all to be brutally honest... we'll use the cheers to help us recover from the jeers :-) Either way, thank you all for supporting the KnightLites.

72

Regards;

Gary O'Neil, N3GO
IBM Microelectronics
Network Products Applications
RTP, NC
Office: (919) 543-5750 FAX : (919)-543-7378

Date: Wed, 1 Aug 2001 12:50:34 -0700
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-l@Lehigh.EDU>
Subject: [103957] RE: Ham Radio magazine on CDs, PRC10 boxes
Message-ID: <MABBJOEABOILMKCJCLFCKEJICJAA.n6wg@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Ed

For those of us who already have many years of QST on CD, as well as the Ham

Radio CDs, will the search engine be down oadable so we can get easier searching from the CDs we already have?

73, Bob N6WG

Date: Wed, 1 Aug 2001 13:00:43 -0700
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-1@Lehigh.EDU>
Subject: [103958] Re: Vectronics ant analyzer power switch
Message-ID: <MABBJ0EABOILMKCJCLFCCEJJJCJAA.n6wg@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Dave

This is a common problem with Auttek RF-1 and VA-1 analyzers also.
Your O ring solution is often quoted as a way to go. Some have used a small diameter piece of PVC tubing.

Don't make the diameter so small you can't get part of a finger in to press the button down.

73, Bob N6WG

Date: Wed, 1 Aug 2001 13:10:46 -0700
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-1@Lehigh.EDU>
Subject: [103959] Re: Vertical questions
Message-ID: <MABBJ0EABOILMKCJCLFCIEJJJCJAA.n6wg@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Bob

Well, at least I can give you some partial answers.

Yes, the second vertical will need just as good a radial system as the original vertical.

Yes, there will be interaction between the verticals, probably lowering the feedpoint impedance of the driven element. A gamma match would be one good way to improve your match with the second element in place.

You say you don't want to get involved with phasing. I could point out some reasons to at least look into it.

1. You get a better front to back ratio, with a sizable null directly to the rear of the system. It is also steerable to some degree, allowing you to reduce the strength of an interfering signal or background noise to some extent.
2. With phasing, you can switch between say looking east, looking west, or looking north/south with a figure 8 pattern and some gain. The north/south pattern has decent nulls to the sides, which again can help reduce QRM or QRN.

In volume 3 of the ARRL Antenna Compendium, there is a phasing unit which I use myself. The slickest part of it is you don't have to fuss with critical lengths of coax. You don't even have to know their lengths! In fact, the feeders don't even have to be the same type. I use coax on one antenna and 300 ohm twinlead on another, and phase them just fine.

Hope this gives you a few ideas to ponder, Bob.
Best of luck and 73,
Bob N6WG

Date: Wed, 1 Aug 2001 16:17:04 -0400
From: Bill Lazure <n2tpa@juno.com>
To: qrp-l@lehigh.edu
Subject: [103960] FS: QRP+
Message-ID: <20010801.162713.-213139.0.n2tpa@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

For sale: Original QRP+ S/N (I think): 734.

No modifications....NOT a QRP++

Small "Mark" in the lower corner of the display. Cosmetically: 8 out of 10. Operationally: 10 out of 10. Works quite well.

\$350

Bill
W2EB

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<http://dl.www.juno.com/get/tagj>.

Date: Wed, 01 Aug 2001 15:34:55 -0500
From: Dave Sjolín <sjolin@swbell.net>
To: Qrp-l Reflector <qrp-l@Lehigh.EDU>
Subject: [103961] FOX: CUB FOX HUNT - N0IT PRELIMINARY LOG
Message-ID: <3B6867EE.7CF74DCC@swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Attached is preliminary log for last nights Cub Fox N0IT. I count 56 contacts in 27 states, 2 VE provinces, plus LZ and HA. Forty contacts in the first hour.

Conditions were interesting to say the least. The band was a lot shorter than I expected. Was hearing nearby states well which was something that didnt happen during the first hunt. QSB was amazing. At beginning of transmission a station could be 579 and by the end be ESP. Very interesting.

Thanks to all who stopped by and who put up with the repeats. Sorry to those I couldnt hear or couldnt find me under the digital qrm and a few people calling cq.

Please check the log and get back to me by Thursday evening with any changes.

73, de Dave, N0IT

=====
N0IT Preliminary LOG -

August 1, 2001 - 0200 -0400 Zulu

UTC	CALL	MY	RST	STATE	NAME	POWER
-----	------	----	-----	-------	------	-------

0200	N0RC	559	CO	ROD	5W	
0201	W0CH	559	MO	DAVE	3W	
0202	K4BYF	559	FL	JACK	5W	
0203	W5YR	559	TX	GEORGE	5W	
0204	N4ROA	559	VA	DAN	3W	
0205	K5DI	559	NM	KARL	5W	
0206	N5UW	579	OK	CLIF	5W	
0207	K1VP	559	NH	ED	5W	

0209	K0EVZ	559	ND	DOC	5W
0210	K4GT 559	GA	JIM	5W	
0211	KC1FB	559	CT	JIM	3W
0212	W9UQB/7	559	AZ	MIKE	5W
0213	N1TP 599	FL	TOM	5W	
0214	W9HL 559	IL	RANDY	5W	
0216	NX8C 559	MI	NEIL	5W	
0217	W8YMO	559	OH	HARRY	5W
0218	VA6RF	579	AB	EARL	5W
0219	AA50 559	LA	VERN	5W	
0221	WA0SXV	559	MO	MIKE	2W
0222	N0TK 579	CO	DAN	3W	
0223	NV4V 579	KY	PETE	5W	
0224	AC5JH	559	OK	TOM	5W
0226	KD5KXF	559	TX	MIKE	5W
0227	K8CV 559	MI	WALT	5W	
0228	W5XU 559	LA	DAVID	5W	
0230	K4TJD	559	GA	TOM	5W
0232	KI0II	579	CO	RON	1W
0233	W3CD 559	CA	BOB	5W	
0234	N9WW 579	ME	JIM	5W	
0238	AG0T 559	ND	TODD	5W	
0239	WA7SPY	559	CA	GLENN	3W
0242	KB1ENS	559	VT	JOHN	5W
0243	AA3UR	559	PA	DAVE	2W
0245	VE1MT	579	NS	LAYTON	5W
0247	WA8NTA	559	CO	DICK	5W
0248	KE6RS	559	CA	RON	5W
0250	K3NY 559	MD	NICK	3W	
0252	KJ0C 559	MO	JIM	5W	
0254	AA7EQ	559	AZ	BOB	5W
0258	LZ2RS	559	LZ	RUMI	5W
0303	KB9YIG	439	IN	TONY	5W
0304	K4FB 559	FL	PAUL	5W	
0307	KE4RVT	559	GA	DWAYNE	1W
0313	KG4FGC	559	NC	KEN	5W
0317	N1ODL	599	NH	ARON	5W
0319	K0IAL	579	IA	MIKE	100W
0324	N1WPU	549	ME	TED	5W
0327	KG4FSN	559	FL	JUAN	4W
0330	WV9N 559	OH	RANDY	5W	
0331	K5DW 559	TX	DON	5W	
0340	NFOR 589	MO	DAVE	200Mw	

0345 K7FD 559 OR JOHN 5W
0346 K6IFF 559 CA BILL 5W
0352 KB7MBA 559 WA JENNIFER 5W
0356 HA5BDU 339 HA ANDRAS 100W
0359 N0IT FOX MO DAVE 5W

Date: Wed, 1 Aug 2001 17:17:59 EDT
From: MITCHELLRI@aol.com
To: qrp-1@lehigh.edu
Subject: [103962] Miracle Whip update
Message-ID: <ea.19194233.2899cc07@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

The continuing saga of the Miracle Whip on the FT-817.
Today, Wednesday, I set the radio up on the top of the A6 at the water's edge in Saybrook, CT. 17 meters, worked Colorado, he was 5-9+, I was S-3 to S-7, with QSB. Hugh, K0HD liked the sound of the radio, and was impressed with the 5 watts to a whip. So, I still remain a skeptic, but a solid contact was made, with a reasonable signal report. Yes, on 17, like 10, a paper clip can be loaded. But in this case, the SWR was flat, and I was heard. Break a pileup? Nah, but the antenna will work if given ideal conditions.

Leeds

WA1GJF

Date: Wed, 01 Aug 2001 17:23:11 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: n2icz@hotmail.com
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [103963] Re: Miracle Whip
Message-ID: <3B68733F.605CCD76@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Larry,

A compromise antenna, absolutely. If I had to pick any feature of the antenna that was responsible for its publication it would be the matching network. This idea has been used before, I can't remember whom,

but it was probably either Ten Tec or MFJ who made a matching unit that used a potentiometer type coil. It is not a new idea, but a different one!

All things considered, I would rather have seen it written up as an antenna tuner and used with a random wire. My preference is for a random wire. They do not have to be a quarter wave or a half wave. I have had good success at 80 meters with one as short as 40 feet, operated against a decent counterpoise!

Often, when living in a condo you can't or don't want to take you radio out to play, but do want to operate. Putting something like the miracle whip on the patio compromises it still further because of the closeness of the building! A random wire can be thrown out into a tree and still remain pretty invisible!

73

Date: Wed, 01 Aug 2001 17:39:40 -0400
From: "Phil (VA3UX)" <phil@vaxxine.com>
To: Drbob92031@aol.com
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [103964] Re: Vertical questions
Message-ID: <5.0.2.1.0.20010801173535.009dda10@vaxxine.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 09:11 AM 8/1/2001 -0400, Drbob92031@aol.com wrote:

>Hi all;

>

>I have a 20 M. Home brew ground mounted vertical in the back yard. It has 9
>radials. It does a good job. I would like to increase the dB out put and
>reshape the radiation pattern. I would like to put another vertical 1/4 wl
>away. This second vertical will be either a reflector or director as I can
>alter the length at my discretion. The questions are:
>I do not want to get involved with "phasing"

You'll have to if you want the 2nd vertical to act as a reflector or director.

>Does this second vertical require radials?

Yep.

>Will this second vertical alter the Radiation resistance I now have (1:1.5
>SWR)?

Yep.

>If it will alter the radiation resistance can I place a Gamma match on the
>active vertical as I would have on the active element of a 2 element beam?

You need to read the appropriate section in the ARRL Antenna Handbook. All your questions will be answered there, most of the calcs are done, and you won't need to "wonder" about anything - it's all well explained. ON4UN's "Low Band Dx'ing" is another excellent technical book with vertical info

Phil

Date: Wed, 1 Aug 2001 22:38:25 +0100
From: "Ray Goff" <radioham@gmx.co.uk>
To: "qrp-1@Lehigh. EDU" <qrp-1@Lehigh.EDU>
Subject: [103965] FW: Miracle Whip
Message-ID: <FDEOKGEJJFNPABJIJGDDAELECHAA.radioham@gmx.co.uk>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

In the QST article is the rather disturbing sentence:

"In fact, adding a ground might make the impedance matching considerably more difficult"

My reading of the design is that it requires the missing ground to balance off the otherwise very inductive impedance...

72's de Ray g4fon

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of Larry Spinner
Sent: 01 August 2001 18:49
To: Low Power Amateur Radio Discussion
Subject: Re: Miracle Whip

I agree with Bruce 100%. A 1/2 of an antenna will remain a 1/2 of an antenna despite what ANYONE says or advertises about a small vertical without a ground. Do I think the MW will work? Yes. Somewhere, at sometime at the height of the solar cycle , this antenna will be 599 with a

QRP sig. However, I think the original thread proved that the Miracle Whip is/will be a compromise antenna at best even with a decent ground. Then again, the creator of the device says that on his webpage (not in so many words). But he does say in the FAQ that other antennas will most likely work better...

Larry N2ICZ

----- Original Message -----

From: "Bruce Muscolino" <w6toy@erols.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Wednesday, August 01, 2001 12:22 PM
Subject: Re: Miracle Whip

> Leeds,
>
> NO quarter wave vertical antenna, I repeat NO quarter wave vertical
> antenna works worth a tinker's dam without a very good ground. Without
> a decent ground you cannot complete the RF circuit. Think about a
> battery with only one side connected, will current flow? Put a decent
> ground on it, say a couple of radials to start with and see if that does
> not make a difference! You could have used a piece of wire to receive
> with and you wouldn't have noticed the difference!
>
> 73
>

Date: Wed, 1 Aug 2001 17:53:29 -0400 (EDT)
From: "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>
To: qrp-l <qrp-l@lehigh.edu>, <tentec@contesting.com>, <forsale-swap@qth.com>, <w7pxl@yahoogroups.com>, VHF Mailing list <vhf@w6yx.stanford.edu>
Subject: [103966] Shrinking list of things for sale
Message-ID: <Pine.LNX.4.30.0108011739430.2376-100000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

All prices are negotiable - package deals and offers considered.
Trades possible but not of first priority.

The following items have been sold:

LDG tuner kit, functioning TT1340, SW40, AEA HF121, SP-430, MB-Va,

HTX-242, MFJ-247, A&A 20m

Stuff still for sale:

HF RIGS (QRP and otherwise)

Ten-Tec Paragon 585, excellent condition. General coverage HF xcvr. Box, manual, desk mic, 6.0/2.4 KHz filters, Giehl chipset, RS-232, FM board. On FD unit didn't like being 6' from antenna (RF lock-up). Never a problem otherwise. \$900

Radio Shack HTX-100 10m SSB/CW mobile, good cond. w/box
\$125

Oak Hills Research "Classic," 20/40m QRP CW rig. Some scrapes but works well. Electronic keyer installed. W/manual. \$155

Ten-Tec 1340, great phys. cond, not quite working.
\$70

Emtech 40m QRP CW rig. Manual is somewhere around here.
\$80

ANTENNA TUNERS & WATTMETERS & OTHER STUFF

JPS ANC-4 noise cancelling unit. Cancels out noise on ANTENNA side thus preventing it from ever reaching RX. Excellent cond w/sense antenna, box, and manual. \$140.

AEA VHF-121 Graphing VHF antenna analyzer. Excellent shape except a few lines of the LCD are apparently non-functional. About \$400 new, asking \$210.

Palomar PT-340 Tuner-Tuner - for pre-tuning your antenna audibly. Excellent condition, sell for \$99 new, asking \$65. Req. 9V battery.

Autek WM-1 computing wattmeter PEP/avg computing wattmeter. Unit is in near-perfect condition physically but I seem to remember something about it not working last time I tried it a year ago. Sells for \$133 new, asking \$85 as no wattmeter is that hard to fix...I just don't have the time to think about it right now. \$75

Radio Shack digital wattmeter, MTA-20. New in box. Works down to a watt (use one myself for QRP) and up to 2kW. Part #21-527.
\$50

MFJ-934 combination 300w antenna tuner / artificial ground. New in box.

New price is \$169. Theoretically eliminates RF current on equipment chassis by creating current sink on either actual ground wire or single counterpoise thrown out window, laid along floor, etc.

\$130

VHF radios

Alinco DR-610 2m/440 mobile. Excellent condition w/box, manual, \$360

Radio Shack HTX-212 50w 2m mobile FM, excellent condition.

\$120.

Alinco DJ-F1T 2m HT w/extended RX range. Excellent condition. Comes w/battery, charger, antenna, and manual \$140

Yaesu FT-50R w/FTT-12 DVR keypad. Excellent condition w/box, etc, \$240

Radio Shack PRO-2039 base scanner, cell blocked, exc. cond. in box,\$150

Radio Shack Pro-51 handheld scanner, cell blocked, exc. cond. in box,\$150

Accessories

MFJ-432 Voice keyer, excellent cond w/box & manual. \$120 new.

\$90

MFJ-564 chrome paddles. \$50 new, exc. cond. \$37

VHF amps

Radio Shack HTA20 30w 2m amp, exc. cond. \$45

Non-working Radio Shack HTA20, don't remember why not wkg.

\$20

Mirage B23 30w 2m amp, on/off switch installed, VG cond.

\$55

RF Concepts VHF-1-60 2m HT amplifier, 1w in gives 60w out.

\$130

(designed for FM but who knows, modifiable for class AB?)

Again, I am interested in making room in my garage and not so much with backfilling with additional equipment...trades considered but would much rather just sell.

Offers and package deals considered.

--

Scott Rosenfeld ARS N7JI
541-684-9970 Eugene, OR Land o' much rain
If you find me on the air, I'm probably in my car
ham@w3eax.umd.edu <http://w3eax.umd.edu/~ham>

Date: Wed, 01 Aug 2001 17:47:32 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: MITCHELLRI@aol.com, qrp-1@lehigh.edu
Subject: [103967] Re: Miracle Whip update
Message-ID: <3B6878F4.D1AB52ED@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Try this. Take any trap vertical and install it without a ground system, Connect it to your rig via an SWR bridge. Look at the SWR. You will find it to be flat, under 1.5 to 1, from DC to light.

Now, hook up a decent radial system. Say four radials per band for those you want to work. Repeat the measurements made above and see what a real antenna looks like. It is not likely that any antenna will have a flat SWR curve. They all display resonance effects.

FLAT SWR MEANS NOTHING. In fact it probably means an untuned antenna! Try attaching a set of radials to your Miracle WHip. one set of four, for any band, and see what a difference it makes in your signal reports!

73

Date: Wed, 1 Aug 2001 18:01:45 -0400
From: "Larry Przyborowski" <k3peg@yahoo.com>
To: <aartec@dwx.com>, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [103968] Re: Vectronics ant analyzer power switch
Message-ID: <00dd01c11ad5\$8fb8e560\$1088fea9@master>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Had same problem here with my MFJ 259B.
As a solution I glued a large rubber grommet to the panel surrounding the PWR ON/OFF switch.

Now I have to push the switch with a pencil to activate it.

Works FB!

72 de Larry - K3PEG

Do You Yahoo!?

Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Wed, 1 Aug 2001 22:10:49 +0100
From: "Kenneth Evans" <w4du@mediaone.net>
To: "QRP-1 Discussion" <qrp-1@Lehigh.EDU>
Subject: [103969] Fw: [qrpat] QRP DXCC
Message-ID: <006501c11ace\$7a233f40\$6601a8c0@atl.mediaone.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gang,

Well it looked for a while like we would have a QRP DXCC. Instead, the league has dropped back into a simple award where you send in logs (no QSLs needed). This certainly does not come to the level of real recognition of the QRPer. We get a certificate, but it is not part of the main stream DXCC award. I understand that the concern was "How do you verify the power level?" The league's conclusion is that we cannot verify QRP but we can verify QRO. Or is it that a QRO op has more credibility?

QRP ARCI President, Jim Stafford, W4Q0 has sent a letter to the league. It is attached below. It does speak to the issue of verifiable power and recognition. I am disappointed in the league. Especially in the Board of Directors for believing the unbelievable argument on verifying power. We may want to write our Directors.

72/3,

Ken W4DU

QRP ARCI #696, GQRP, NOGA, NORCAL, ARRL-Life

----- Original Message -----

From: Jim Stafford >

Cc: <wt3p@arrl.org>; <w4rh@arrl.org>; <w4wyr@arrl.org>; <k1zz@arrl.org>

Sent: Wednesday, August 01, 2001 16:23

Subject: RE: [qrpat] QRP DXCC

> Wayne,
>
> re: ARRL Bulletin 027: >
> Well, I am terribly disappointed that this is the conclusion (as you might
> expect I would be). Our (QRP ARCI) position has always been that no power
level
> is verifiable. Why is it you get a "snicker" when you ask someone if they
run a
> "KW" when they work DX. And why do so many folks buy the big amps that
are
> capable of 2500 or even greater PEP to "get the job done". <wink> <grin>
>
> In the end, DXCC or any award can and is abused by some measure of
cheating or
> fudging by a few (or many) folks. It's a personal thing anyway in the
end. So
> what if the QRP DXCC award wouldn't be considered as "lilly pure" to some
> skeptics as the other DXCC awards but to most it would be a solid measure
of
> accomplishment. In this day and age when you/we need more ham activity
and
> excitement in our hobby, I find it odd that "isn't verifiable" is the best
> excuse for scrapping a QRP DXCC award. Here is/was an opportunity to get
> something going in ham radio that could/would bring back some old timers
to
> "bring back the thrill".
>
> I would ask that you and the others at the league not close the door on
this one
> or make it a farce by asking who has cards in their box that they say is
QRP
> when they can't even figure out what power they ran at the time. By the
way, I
> think that a QRP 100 (even if that were all there was to it) with full
> application would be very healthy for ham radio. To make it work, a DXCC
award
> needs to start from ground zero and I suggest it be the first award to
accept
> eQSLs (in the interest of "limited resources"). Then you/we would have
> something that would give us a chance to get on the air next year. If
not, many
> of us, won't! We've already done it all.
>
> --
> Jim Stafford, W4Q0@arrl.net 770-993-9500
> President - QRP ARCI

Date: Wed, 01 Aug 2001 15:40:57 -0700
From: Phil Wheeler <w7ox@earthlink.net>
To: wb5qyt@abq.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [103970] Re: Backpackin qrp
Message-ID: <3B688579.D188356@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Good move: 19 yr olds can carry mucho radio gear :-;

73, Phil W7OX

"T.W." wrote:

>
> Gang,
>
> My youngest son(19) and I will be backpacking in the Pecos Wilderness today
> and tomorrow. Our destination is Nambe Lake. Of course I will be taking
> along my DSW-20, so listen up for me this evening starting about 0100z. Will
> be on or near 14.060.
>
> Hope to work some of you from the great outdoors!
>
> 72, Tom WB5QYT..."Have spud will travel!"

Date: Wed, 1 Aug 2001 17:58:36 -0500 (CDT)
From: Joe Reed <joe@n9jr.dyndns.org>
To: Kenneth Evans <w4du@mediaone.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [103971] Re: Fw: [qrp-1] QRP DXCC
Message-ID: <Pine.LNX.4.21.0108011751500.7368-100000@n9jr.dyndns.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 1 Aug 2001, Kenneth Evans wrote:

[Stuff deleted]

> award. I understand that the concern was "How do you verify the power
> level?" The league's conclusion is that we cannot verify QRP but we can
> verify QRO. Or is it that a QRO op has more credibility?

Sarcasm noted. Power is not relevant to the award. You need not draw conclusions for the League. In the nearly 30 years I have been doing this they have been more than capable in expressing their position.

I understand your disappointment, but see no need to propagate dis-information as a means of assuaging your hurt.

Joe N9JR
n9jr@arrl.net

End of QRP-L Digest 2268
